

# Atlas Copco Air Line Accessories



*Sustainable Productivity*

**Atlas Copco**

# Energy Efficiency Audits offer sustainable energy savings

*For an Energy Efficiency Audit of your air distribution system, Atlas Copco employs its own Energy Efficiency Calculator to recommend a correct air line installation. This will result in higher productivity with lower energy consumption and a sustainable reduction in energy costs – and the benefits don't end there.*

## **Pressure check and visual inspection**

A huge amount of energy is wasted due to leaks in compressed air systems. Capacity losses of up to 20% are common in many installations. During an Energy Efficiency Audit Atlas Copco checks the static and dynamic pressure for your air tools on the line. The pressure drop is measured and documented and a visual inspection of the air installation is performed.

Based on the information acquired, using the Energy Efficiency Calculator, Atlas Copco recommends the correct installation in terms of air line accessories and various other aspects.

## **Benefits your business and the environment**

The result will be substantial improvements – most significantly a sustainable reduction in energy consumption. A correct installation also ensures higher output and torque for air tools and, in turn, increased productivity. Long-term value is created as well, since the working lifetimes of the tools will be prolonged. Other benefits for your business and the environment include a reduction in CO<sub>2</sub> emissions and less use of lubricants.

*Contact your local Atlas Copco Tools & Assembly Systems representative for more information on Energy Efficiency Audits.*



# Air Line Accessories

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# Ensure that your tools achieve their full potential

*To ensure that you benefit from the full potential power of your tools, Atlas Copco has developed a full range of air line accessories for use with Atlas Copco tools and air motors. All accessories can be used for other applications and pneumatic equipment.*

### Productivity

By using Atlas Copco's air line accessories you ensure that you have a correct air line installation for your tool. This will provide the correct air flow to the tool, ensuring that you benefit from its full potential power, and that you reach the correct torque in torque-controlled tools. By using the recommended accessories you will also minimize the service requirements of the tool.

### Energy efficiency

With a correct installation you will not only achieve the tool's full potential power, you will also reduce energy costs. All Atlas Copco accessories are designed for minimum pressure drop, which ensures that the compressor is not "working overtime".

### Safety

All accessories are designed to meet the highest demands for a safe working environment. Atlas Copco has developed a wide range of safety couplings, balancers, blow protectors and hose reels to meet today's high standards in terms of workplace safety.

### Ergonomics

Operator health and well-being are important factors. Atlas Copco accessories, such as torque arms, balancers, screw presenters and reaction bars, enable you to configure ergonomically correct workstations for operators.

### Quality

All Atlas Copco accessories are made of the highest quality materials for long production cycles and to withstand rough treatment. Choose Atlas Copco accessories and you will be sure of high quality products.





All local safety regulations with respect to installation, operation and overhaul must always be followed. Please read the separate instructions regarding safety which are supplied with all products in order to improve your own safety!

## Ball valve

- Switch off the compressed air with the ball valve when you are not working (see fig. 1).
- Open all ball valves gently in order to discover improperly tightened devices (see fig. 5).

## Air preparation units

- Please check for solvents which change the structure of polycarbonate<sup>a</sup> bowls.

These solvents make the polycarbonate brittle so it can break. Normally polycarbonate is not easy to break. If you need to use aggressive solvents, please contact us and we will help you choose the right equipment.

- Use bowl guard.

An easy way to eliminate this type of accident is to use a bowl guard on MINI and MIDI units. The MAXI unit has an aluminum bowl with a new, more chemical resistant plastic on the inside as standard.

Check that the bowls are properly tightened and that all units are fitted together before switching on the compressed air with the ball valve.

## Quick safety couplings

To increase the safety and reduce the risk of operator injuries we recommend you to always buy couplings with a safety function. Couplings with a safety function are disconnected in two stages in order to vent the coupling and minimize the risk of sudden component separation, which has the potential to cause operator injury.

## Follow this order when working with claw couplings.

### How to open a claw coupling:

- 1 Close the ball valve.



- 2 Run the tool so the air ventilates out.



- 3 Release the claw coupling.



### How to close a claw coupling:

- 4 Make sure that the two claw couplings are mounted together.

Use claw couplings with lock nut (LNH) or use a lock spring for safer locking.



Never open a quick coupling with a screwdriver in order to ventilate the air.

## Claw couplings

- Be very careful (see fig. 1+2+3).

They are always open and must be used very carefully. To increase safety when using claw couplings, we recommend the claw LNH claw coupling with a lock nut.

## Clamps and connections

- Avoid screwdrivers when tightening.

Check that they are properly tightened. Avoid screwdrivers when tightening, they can easily slip and damage your hand. Use a wrench. If you need to use a screwdriver, mount the clamp in a vice.

## Hoses

When mounting hoses on hose connections, use water and soap in order to make the hose slip on to the connection. Do not use oil. Water and soap will dry up. Remove leaking hoses. A small leakage can quickly become a large hole.

## Blow protector (see fig. 6+7).

A dangerous situation can arise with a hose that is accidentally blowing compressed air in an uncontrolled way, causing it to whip.

## Blow guns

- Use the safety version. It eliminates the risk of air at high pressure coming into direct contact with skin.

<sup>a</sup> Polycarbonate has good chemical resistance to all solvents except chemicals containing acetone, benzol, glycerine, some hydraulic and synthetic oils, chloroform, methyl alcohol, carbon tetrachloride (and similar solvents), carbon disulphide, perchloroethylene, toluene, trichloroethylene, xylene (nitrocellulose, thinner), acetic acid.

- 5 Open the ball valve gently.



### Use of blow protector:

- 6 This dangerous situation can be avoided by using a blow protector.

A BLOCK blow protector shuts off the air flow so the risk of personal injuries is minimized.



- 7 We strongly recommend the use of blow protector BLOCK when using claw couplings.

When a broken hose has been replaced and the compressed air is switched on again, the BLOCK is automatically reset.



## Get maximum productivity from your tools

*Atlas Copco air preparation units are designed to help you get maximum productivity from your tools. They ensure minimal pressure drop and thus minimum energy losses in the air distribution system, benefiting the environment and cutting your operating costs. The lifetimes of your tools will be extended by using air preparation units and with that comes lower repair costs and less downtime. A correct air installation ensures productivity and good total economy.*

### Filter – FIL

Water and dirt in your compressed air system will cause extensive corrosion damage and wear.

### Productivity

Atlas Copco filters are equipped with a cyclone system. Using centrifugal force, this separates out a high percentage of the heavier solid water particles, while the filter ensures that the amount of dirt entering your tool is kept to a minimum. This means longer working cycles for the tools and minimum service time.

### Regulator – REG

Atlas Copco regulators ensure optimal flow at the specific flow rates required by Atlas Copco tools, or any other pneumatic tools.

### Energy efficiency

By installing a regulator you will ensure that there will not be any unnecessary consumption of compressed air. The regulators reduce a variable primary pressure to a practically constant secondary pressure with a minimum of pressure drop.

### Productivity

The regulator will optimize the performance of your tool, ensure torque accuracy and boost productivity.

### Lubricator – DIM

Atlas Copco oil lubricators ensure a long, efficient and trouble-free life for your pneumatic tools and components.

### Productivity

The use of a lubricator will increase the power in vane motors by about 10-15%.

### Energy efficiency

With the use of a lubricator you will prolong the lifetime of a vane motor up to three times and the motor will work much more efficiently, and with less friction.



Filter – FIL



Regulator – REG



Lubricator – DIM

Air preparation unit MINI-K's main application is to prepare the air for pneumatic components. MINI-K units have a 1/4" BSP connection thread, a composite housing made of polyamide 66 and the bowls are made of polycarbonate.

## Working temperature

0°C to +50°C at 10 bar

## Operating pressure

Inlet pressure 0-10 bar

Outlet pressure 0.5-8 bar

## Standard filter

30 µm

## Pressure gauge

1/8" BSP



Model	Economical air flow l/s	Maximum air flow l/s	Bowl	Filter condensate drainage	Max condensate capacity cm³	Max oil capacity cm³	Weight kg	Ordering No.
<b>Filters</b>								
MINI FIL 08K-B	12	30	Polycarbonate	Manual	12	-	0.1	9092 0000 01
<b>Regulators</b>								
MINI REG 08K	10	20	-	-	-	-	0.11	9092 0000 61
<b>Lubricators</b>								
MINI DIM 08K	9	23	Polycarbonate	-	-	35	0.09	9092 0000 91
<b>Filter/regulator</b>								
MINI F/R 08K	12	17	Polycarbonate	Manual	12	-	0.12	9092 0001 21
<b>Filter/regulator+lubricator</b>								
MINI F/RD 08K	9	14	Polycarbonate	Manual	12	35	0.32	9092 0001 51

**NOTE:** Economical air flow: 8 bar inlet pressure, 6.3 bar outlet pressure, 0.2 bar pressure drop.

Maximum air flow: 10 bar inlet pressure, 6.3 bar outlet pressure, 1 bar pressure drop.

All separate units, mounting brackets, assembly kits and pressure gauges need to be ordered separately. MINI-K F/RD unit is delivered complete with mounting bracket, assembly kit and pressure gauge.

Air preparation unit MINI-B's main application is to prepare the air for pneumatic components and tools with low air consumption. MINI-B has a 1/4" BSP connection thread and the housing is made of diecast zinc. The bowls are made of polycarbonate or the unit has metal bowls in zinc.

### Working temperature

0°C to +50°C at 10 bar

### Operating pressure

Inlet pressure 0-16 bar

Outlet pressure 0.5-8 bar

### Standard filter

30 µm

### Pressure gauge

1/8" BSP



Model	Economical air flow l/s	Maximum air flow l/s	Bowl	Filter condensate drainage	Max condensate capacity cm³	Max oil capacity cm³	Weight kg	Ordering No.
<b>Filters</b>								
MINI FIL 08B-B	12	24	Polycarbonate	Semi/automatic	22	-	0.25	9093 0032 11
MINI FIL 08B-C	12	24	Polycarbonate	Manual	22	-	0.25	9093 0032 41
MINI FIL 08B-D	13	24	Metal	Manual	22	-	0.25	9093 0032 71
<b>Regulators</b>								
MINI REG 08B	9	47.5	-	-	-	-	0.30	9093 0033 01
MINI REG 08B-LP	9	47.5	-	-	-	-	0.30	9093 0073 21
MINI REG 08P	8	47.5	-	-	-	-	0.30	9093 0000 31
<b>Lubricators</b>								
MINI DIM 08B	12	23	Polycarbonate	-	-	45	0.25	9093 0033 31
MINI DIM 08B-D	12	23	Metal	-	-	45	0.25	9093 0033 61
<b>Filter/regulator</b>								
MINI F/R 08B-B	9	38	Polycarbonate	Semi/automatic	22	-	0.35	9093 0033 91
MINI F/R 08B-C	9	38	Polycarbonate	Manual	22	-	0.35	9093 0034 21
<b>Filter/regulator+lubricator</b>								
MINI F/RD 08B-B	9	14.8	Polycarbonate	Semi/automatic	22	45	0.75	9093 0034 51
MINI F/RD 08B-C	9	14.8	Polycarbonate	Manual	22	45	0.75	9093 0034 81
<b>Filter+regulator+lubricator</b>								
MINI FRD 08B-B	9	13.8	Polycarbonate	Semi/automatic	22	45	0.95	9093 0062 11
MINI FRD 08B-C	9	13.8	Polycarbonate	Manual	22	45	0.95	9093 0062 41

**NOTE:** Economical air flow: 8 bar inlet pressure, 6.3 bar outlet pressure, 0.2 bar pressure drop.

Maximum air flow: 10 bar inlet pressure, 6.3 bar outlet pressure, 1 bar pressure drop.

All separate units, mounting brackets, assembly kits and pressure gauges need to be ordered separately. The MINI F/RD and FRD units are delivered complete with mounting bracket, assembly kit and pressure gauge.



The MIDI Optimizer is suitable for more than 90% of the Atlas Copco tool range and is the best choice for assembly tools, percussive tools, drills, nibblers and grinders up to Turbo. The MIDI Optimizer has a 1/2" BSP connection thread and a housing and bowl of high-tech polymer. The bowl has a highly chemical resistant polypropylene insert and the bowl is directly screwed to the housing for easy handling.

## MIDI Optimizer self-regulating nano-lubricator

Adjusts automatically to the flow demand and ensures that the right amount of oil is supplied to the motor at all flow rates. This minimizes the lubrication needed. The nano oil mist, with a particle size of 200 nm, can be transported by the air stream up to 40 m. This means there is no oil in the hose and direct lubrication is not necessary. The lubricator can be refilled during operation. EP-versions are adjusted for use with impulse tools.



### Working temperature

-40°C to +60°C at 10 bar  
+2°C to +60°C at 10 bar for filters

**NOTE:** For dry compressed air, ice formation must be avoided.

### Operating pressure

Inlet pressure 0-16 bar  
Outlet pressure 0.5-8 bar  
Outlet pressure, HP versions 0.5-16 bar

### Standard filter

30 µm

### Pressure gauge

1/4" BSP

Included in F/RD and FRD units

Model	Economical air flow l/s	Maximum air flow l/s	Bowl	Filter condensate drainage	Max condensate capacity cm³	Max oil capacity cm³	Weight kg	Ordering No.
<b>Filters</b>								
MIDI Optimizer FIL A	-	117	Polymer, plastic insert	Automatic	60	-	0.3	9093 0021 01
MIDI Optimizer FIL M/S	-	117	Polymer, plastic insert	Manual/semi auto	60	-	0.3	9093 0021 02
<b>Regulators</b>								
MIDI Optimizer REG	-	97	-	-	-	-	0.35	9093 0021 05
MIDI Optimizer REG LP	-	97	-	-	-	-	0.35	9093 0021 06
MIDI Optimizer REG HP	-	97	-	-	-	-	0.35	9093 0021 30
<b>Lubricators</b>								
MIDI Optimizer DIM	31	120	Polymer, plastic insert	-	-	90	0.3	9093 0021 10
MIDI Optimizer DIM EP	31	120	Polymer, plastic insert	-	-	90	0.3	9093 0021 33
<b>Filter/regulator</b>								
MIDI Optimizer F/R A	-	90	Polymer, plastic insert	Automatic	60	-	0.5	9093 0021 12
MIDI Optimizer F/R M/S	-	90	Polymer, plastic insert	Manual/semi auto	60	-	0.5	9093 0021 13
MIDI Optimizer F/R HP M/S	-	90	Polymer, plastic insert	Manual/semi auto	60	-	0.5	9093 0021 31
MIDI Optimizer F/R HP A	-	90	Polymer, plastic insert	Automatic	60	-	0.5	9093 0021 32
<b>Filter/regulator+lubricator</b>								
MIDI Optimizer F/RD A	31	55	Polymer, plastic insert	Automatic	60	90	1.0	9093 0021 16
MIDI Optimizer F/RD M/S	31	55	Polymer, plastic insert	Manual/semi auto	60	90	1.0	9093 0021 17
MIDI Optimizer F/RD A EP	31	55	Polymer, plastic insert	Automatic	60	90	1.0	9093 0021 35
MIDI Optimizer F/RD M/S EP	31	55	Polymer, plastic insert	Manual/semi auto	60	90	1.0	9093 0021 36
<b>Filter+regulator+lubricator</b>								
MIDI Optimizer FRD A	31	55	Polymer, plastic insert	Automatic	60	90	1.1	9093 0021 24
MIDI Optimizer FRD M/S	31	55	Polymer, plastic insert	Manual/semi auto	60	90	1.1	9093 0021 25

**NOTE:** **Economical air flow:** 8 bar inlet pressure, 6.3 bar outlet pressure, 0.2 bar pressure drop.

**Maximum air flow:** 10 bar inlet pressure, 6.3 bar outlet pressure, 1 bar pressure drop.

All separate units, mounting brackets, assembly kits and pressure gauges need to be ordered separately. The MIDI Optimizer F/RD and FRD units are delivered complete with mounting bracket, assembly kit and pressure gauge.

EP For pulse tools, lubricator adjusted for impulsing tools  
A Automatic  
M/S Manual/semi automatic  
HP High pressure regulator  
LP Lockable regulator

The MIDI Optimizer is suitable for more than 90% of the Atlas Copco tool range and is the best choice for assembly tools, percussive tools, drills, nibblers and grinders up to Turbo. The MIDI Optimizer has a 3/4" BSP connection thread and a housing and bowl of high-tech polymer. The bowl has a highly chemical resistant polypropylene insert and the bowl is directly screwed to the housing for easy handling.

## MIDI Optimizer self-regulating nano-lubricator

Adjusts automatically to the flow demand and ensures that the right amount of oil is supplied to the motor at all flow rates. This minimizes the lubrication needed. The nano oil mist, with a particle size of 200 nm, can be transported by the air stream up to 40 m. This means there is no oil in the hose and direct lubrication is not necessary. The lubricator can be refilled during operation. EP-versions are adjusted for use with impulse tools.



### Working temperature

-40°C to +60°C at 10 bar  
+2°C to +60°C at 10 bar for filters

**NOTE:** For dry compressed air, ice formation must be avoided.

### Operating pressure

Inlet pressure 0-16 bar  
Outlet pressure 0.5-8 bar  
Outlet pressure, HP versions 0.5-16 bar

### Standard filter

30 µm

### Pressure gauge

1/4" BSP  
Included in F/RD and FRD units

Model	Economical air flow l/s	Maximum air flow l/s	Bowl	Filter condensate drainage	Max condensate capacity cm³	Max oil capacity cm³	Weight kg	Ordering No.
<b>Filters</b>								
MIDI Optimizer 3/4" FIL A	-	117	Polymer, plastic insert	Automatic	60	-	0.3	9093 0021 40
MIDI Optimizer 3/4" FIL M/S	-	117	Polymer, plastic insert	Manual/semi auto	60	-	0.3	9093 0021 41
<b>Regulators</b>								
MIDI Optimizer 3/4" REG	-	97	-	-	-	-	0.35	9093 0021 42
MIDI Optimizer 3/4" REG LP	-	97	-	-	-	-	0.35	9093 0021 43
MIDI Optimizer 3/4" REG HP	-	97	-	-	-	-	0.35	9093 0021 44
<b>Lubricators</b>								
MIDI Optimizer 3/4" DIM	31	120	Polymer, plastic insert	-	-	90	0.3	9093 0021 45
MIDI Optimizer 3/4" DIM EP	31	120	Polymer, plastic insert	-	-	90	0.3	9093 0021 54
<b>Filter/regulator</b>								
MIDI Optimizer 3/4" F/R A	-	90	Polymer, plastic insert	Automatic	60	-	0.5	9093 0021 46
MIDI Optimizer 3/4" F/R M/S	-	90	Polymer, plastic insert	Manual/semi auto	60	-	0.5	9093 0021 47
MIDI Optimizer 3/4" F/R M/S HP	-	90	Polymer, plastic insert	Manual/semi auto	60	-	0.5	9093 0021 48
MIDI Optimizer 3/4" F/R A HP	-	90	Polymer, plastic insert	Automatic	60	-	0.5	9093 0021 49
<b>Filter/regulator+lubricator</b>								
MIDI Optimizer 3/4" F/RD A	31	55	Polymer, plastic insert	Automatic	60	90	1.0	9093 0021 50
MIDI Optimizer 3/4" F/RD A EP	31	55	Polymer, plastic insert	Automatic	60	90	1.0	9093 0021 55
MIDI Optimizer 3/4" F/RD M/S	31	55	Polymer, plastic insert	Manual/semi auto	60	90	1.0	9093 0021 56
MIDI Optimizer 3/4" F/RD M/S EP	31	55	Polymer, plastic insert	Manual/semi auto	60	90	1.0	9093 0021 51
<b>Filter+regulator+lubricator</b>								
MIDI Optimizer 3/4" FRD A	31	55	Polymer, plastic insert	Automatic	60	90	1.1	9093 0021 52
MIDI Optimizer 3/4" FRD M/S	31	55	Polymer, plastic insert	Manual/semi auto	60	90	1.1	9093 0021 53

**NOTE:** Economical air flow: 8 bar inlet pressure, 6.3 bar outlet pressure, 0.2 bar pressure drop.

Maximum air flow: 10 bar inlet pressure, 6.3 bar outlet pressure, 1 bar pressure drop.

All separate units, mounting brackets, assembly kits and pressure gauges need to be ordered separately. The MIDI Optimizer F/RD and FRD units are delivered complete with mounting bracket, assembly kit and pressure gauge.

EP For pulse tools, lubricator adjusted for impulsing tools  
A Automatic  
M/S Manual/semi automatic  
HP High pressure regulator  
LP Lockable regulator

The high flow MAXI-B air preparation unit's main application is to prepare the air for pneumatic tools which are large air consumers when long distribution hoses and multi connectors are used. A good example is Atlas Copco Turbo grinders. The MAXI-B has a diecast zinc housing and aluminum bowls with polypropylene inserts and the bowl is directly screwed to the housing for easy handling.

## Working temperature

-10°C to +50°C at 10 bar

**NOTE:** For dry compressed air, ice formation must be avoided.

## Operating pressure

Inlet pressure 0-17.5 bar

Outlet pressure 0.5-12 bar

## Standard filter

30 µm

## Pressure gauge

1/4" BSP



Model	Economical air flow l/s	Maximum air flow l/s	Bowl	Filter condensate drainage	Max condensate capacity cm³	Max oil capacity cm³	Weight kg	Ordering No.
<b>Filters</b>								
MAXI FIL 25B-B	106	190 <sup>a</sup>	Metal	Semi/automatic	130	-	0.9	9093 0074 21
<b>Regulators</b>								
MAXI REG 25B	85	333	-	-	-	-	1.2	9093 0074 61
MAXI REG 25B-LP	85	333	-	-	-	-	1.2	9093 0074 81
<b>Lubricators</b>								
MAXI DIM 25B	87	295	Metal	-	-	500	0.8	9093 0075 21
<b>Filter/regulator</b>								
MAXI F/R 25B-B	84	316	Metal	Semi/automatic	130	-	1.5	9093 0075 51
<b>Filter/regulator+lubricator</b>								
MAXI F/RD 25B-B	82	244	Metal	Semi/automatic	130	500	2.8	9093 0075 81
MAXI FRD 25B-B	81	209	Metal	Semi/automatic	130	500	3.3	9093 0076 01

<sup>a</sup> 8 bar inlet pressure, 1 bar pressure drop.

**NOTE:** **Economical air flow:** 8 bar inlet pressure, 6.3 bar outlet pressure, 0.2 bar pressure drop.

**Maximum air flow:** 10 bar inlet pressure, 6.3 bar outlet pressure, 1 bar pressure drop.

All separate units, mounting brackets, assembly kits and pressure gauges need to be ordered separately. The MAXI F/RD and FRD units are delivered complete with mounting bracket, assembly kit and pressure gauge.

## Optional Accessories

### Common accessories

Designation	Ordering No.			
	MINI-K	MINI-B	MIDI OPTIMIZER	MAXI-B
<b>Mounting bracket kit</b>	9090 1902 00	9092 0063 01	9093 0022 01	9093 0076 15
<b>Assembly kit</b>	9090 1901 90	9092 0062 71	9093 0022 02	9093 0076 31

Are included in combination units (FD, FTD, F/RD and FRD)

Common accessories have to be ordered separately for separate units.

### Filter (FIL) accessories (30 µm filter element is included with all filters)

Designation	Ordering No.			
	MINI-K	MINI-B	MIDI OPTIMIZER	MAXI-B
<b>Filter element</b>				
30 µm	9090 1898 00	9092 0063 31	9093 0023 04	9093 0076 61
5 µm		9092 0063 61	9093 0023 05	9093 0076 71
<b>Bowl guard</b>		9092 0063 91		

### Regulator (REG) accessories

Designation	Ordering No.			
	MINI-K	MINI-B	MIDI OPTIMIZER	MAXI-B
<b>Pressure gauge</b>				
0-10 bar				
Ø 40 mm	9090 1907 00	9090 1907 00		
Ø 50 mm		9090 1172 00	9090 2052 00	
Metal housing			9090 2052 01	
0-16 bar				
Ø 49 mm			9090 0239 00	9090 0239 00
Ø 50 mm		9090 1657 00		
<b>Panel mounting pressure gauge</b>				
0-10 bar				
Ø 50 mm		9090 1173 00	9090 1173 00	
0-16 bar				
Ø 63 mm				9093 0076 43
<b>Key lock for regulator -LP</b>		9092 0074 11	9092 0074 11	9092 0074 11

Pressure gauge 0-10 bar is included in the combination units (F/RD and FRD)

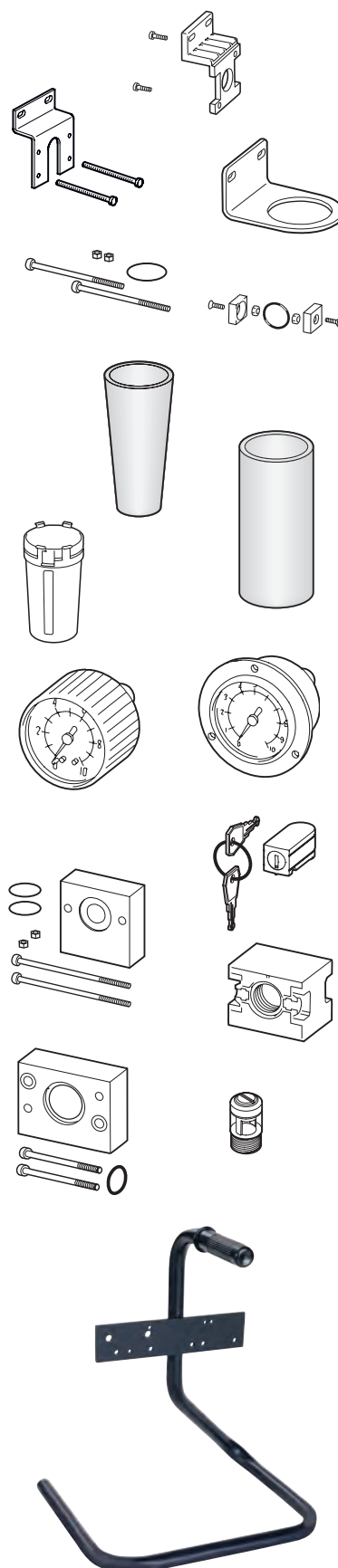
Pressure gauge has to be ordered separately for separate units.

### Lubricator (DIM) accessories

Designation	Ordering No.				
	MINI-K	MINI-B	MIDI Optimizer		MAXI-B
			MIDI 1/2"	MIDI 3/4"	
<b>Air distribution block kit</b>	9090 1900 90	9092 0064 51	9093 0022 03	9093 0022 04	9093 0076 41
<b>Bowl guard</b>		9092 0063 91			
<b>Glass sight dome</b>		9090 1121 00			9090 1873 00

### FRL stand

Designation	Ordering No.
<b>Suits all models</b>	9090 2101 00





## Optimizer air tool oil

Atlas Copco Optimizer air tool oil is a white, oil based lubricant for pneumatic tools. It has excellent antiwear properties and contains additives preventing oxidation and foaming. Optimizer air tool oil provides a better working environment, compared to conventional mist lubrication oils and is recommended when stringent demands are placed on the working environment.

- Provides a better working environment.
- Excellent antiwear properties.
- Minimizes wear on components.



## Technical Data

Temperature range	-25°C to +70°C
Density at 15°C	869 kg/m <sup>3</sup>
Viscosity at 40°C	22 mm <sup>2</sup> /s
Pour point	-48°C
Flash point COC	>170°C

Model	Ordering No.
Optimizer 0.5 liter	9090 0000 02
Optimizer 1 liter	9090 0000 04
Optimizer 4 liter	9090 0000 06

## Single point lubricator DOSOL

Accurate lubrication for tools in intermittent service.

The Atlas Copco DOSOL system for direct lubrication is based on an injector pump which meters out the oil in exact doses, actuated by pulses of compressed air. The oil dosage can be regulated from a fraction of a drop to a full drop.

- **Exact amount** – Precision injector, adjustable for exact amount of oil.
- **Oil directly at the tool** – The oil is conveyed through a capillary tube directly to the lubrication point.

A single-point lubricator (SPL) consists of an injector pump fitted to a valve body, converting interruptions in compressed air flow into pulses. In the majority of cases, an oil bowl is fitted on each lubricator.

Every DOSOL SPL unit can be finely tuned to inject from 1 to 1/10 of a drop of oil in 40 steps (30 to 3 mm<sup>3</sup>). Every DOSOL SPL unit includes as standard a counter with a switch that allows the lubricator to operate every first, fifth or tenth tool cycle.

The adjusting knob features a positive stop at both maximum and minimum settings, which means that a zero setting is not possible.

The preset quantity of oil is supplied to the tool through a small-bore nylon tube inside the air hose. 7.5 m of oil-filled nylon tubing is included as standard.



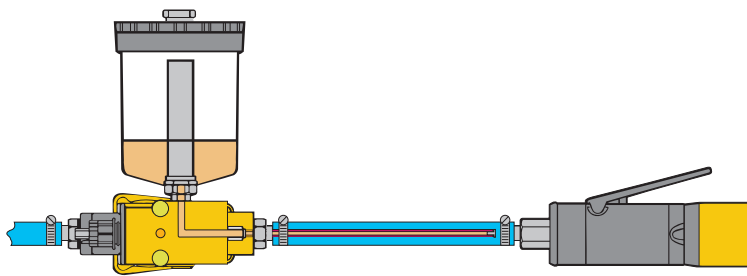
## Multiple-point lubricator DOSOL

For supplying lubricant to an unlimited number of lubrication points on a machine or in a pneumatic system.

The DOSOL multiple-point lubricator (MPL) consists of a number of JECT 01 oil metering pumps assembled into a "package" with a common BASE baseplate. A stack may contain up to ten JECT 01 units. Several such assemblies may be used together.

- All oil pumps are supplied with oil via the BASE from an oil container or central oil reservoir. A line for pneumatic signals from the equipment to be lubricated is also connected to the BASE.
- The lubricant is conveyed through small-bore nylon tubing which should be ended with check valves.
- With the TEN counter the lubricator can be actuated every first, fifth or tenth tool cycle.

Every DOSOL MPL unit can be finely tuned to inject from 1 to 1/10 drop of oil in 40 steps (30 to 3 mm<sup>3</sup>). This helps to minimize the oil dose. The adjusting knob features a positive stop at both maximum and minimum settings, which means that zero setting is not possible.



## Single-point lubricator, DOS

Model	Connection thread BSP in	Air flow l/s		Working pressure bar		Temperature range °C		Ordering No.
		min	max <sup>a</sup>	min	max	min	max	
DOS 15B-C <sup>b</sup>	1/2	2.3	45	3.2	10	-30°	+60°	8202 4201 73
DOS 15B-CR <sup>c</sup>	1/2	2.3	45	3.2	10	-30°	+60°	8202 4202 72
DOS 20B-C <sup>b</sup>	3/4	2.3	53	3.2	10	-30°	+60°	8202 4201 81
DOS 20B-CR <sup>c</sup>	3/4	2.3	53	3.2	10	-30°	+60°	8202 4202 80

<sup>a</sup> At 6 bar and DP = 0.2 bar.

<sup>b</sup> With counter and 7.5 m oil-filled nylon tubing.

<sup>c</sup> With 0.3 l oil container counter and 7.5 m oil-filled nylon tubing.

**FOR SINGLE POINT LUBRICATOR DOSOL**

The diagram illustrates a water level control system. On the left, a tank contains water (1) with a float valve assembly (11, 12) at the bottom. A long pipe (14) leads from the tank to a complex control valve assembly on the right. This assembly includes two solenoid valves (3, 5) controlled by a central unit (13). Various fittings, elbows, and connectors (2, 4, 6, 7, 8, 9, 10, 15) are used to connect the pipes and valves. A blue pipe exits from the bottom of the control assembly.

**NOTE:** When the counter TEN is used in MPL installations an intermediate, black plastic part is used (supplied with all TEN counters) between BASE and TEN.

Designation		BSP in	Ordering No.
BASE baseplate	Plate		8202 4205 04
	Oil port	1/4	
	Air port	1/4	
	Clamp		
	Oil port	1/4	
	Air port	1/4	
JECT 01 oil pump	Oil delivery port	1/8	8202 4203 10

When lubricating equipment with a very low air consumption or very short time in operation it may be difficult to set a sufficiently small dose of oil. In such cases a counter is connected underneath the base plate BASE. The oil pumps will then be actuated only on each, every fifth or every tenth air pulse. The air signal is connected to the clamp underneath the counter.

Ordering No. 8202 4206 03

If all pumps are not to be actuated simultaneously, a signal block is installed between the oil pumps in the stack. The pumps below the signal block will then be actuated via the base plate BASE and those above it from a separate signal via the signal block.

Ordering No. 8202 4206 03

Ref No. in figure	Designation	Ordering No.
1	Oil container	
	0.3 l for direct mounting	9090 1415 00
	0.95 l for wall mounting (1/4" BSP female)	9090 1416 00
	1.9 l for wall mounting (1/4" BSP female)	9090 1417 00
2	Check valve	
	1/8" BSPT 90° elbow male x 1/8" BSP female	9090 1427 00
	1/8" BSPT, straight male x 1/8" BSP female	9090 1426 00
3	Male adapter 1/8" BSPT, straight for tube outer diameter 3.2 mm	9090 1425 00
4	Capillary tubing	
	7.5 m, outer dia. 3.2 mm prefilled with oil	9090 1418 00
	7.5 m, outer dia. 3.2 mm without oil	9090 1419 00
	100 m, outer dia. 3.2 mm with oil	9090 1420 00
5	JECT 01 kit <sup>a</sup>	8202 4203 10
6	Side-ported air block kit	9090 1424 00
7	Fiber packing for 1/8" BSP	0657 5742 00
10	Counter TEN kit	8202 4206 03
11	Fiber packing for 1/4" BSP	0657 5764 00
12	Male adapter 1/4" BSP, straight for tube outer diameter 8 mm	9090 0715 00
13	BASE kit	8202 4205 04
14	Nylon tube, outer diameter 8 mm (sold by the meter)	9030 0060 00
15	Barbed nipple for joining of nylon tubes outer diameter 3.2 mm	9090 1423 00
16	Nylon tube outer diameter 5 mm (sold by the meter)	9030 0059 00

<sup>a</sup> With high temperature Viton seals 8202 4203 15.

## Simply the best choice!

*Whenever tools or pneumatic equipment need to be changed, or you need to make quick connections of hoses to an air outlet, Atlas Copco couplings are simply the best choice.*

### Energy efficiency

All Atlas Copco couplings are designed for a minimum pressure drop to reduce energy consumption.

### Productivity

Exceptionally high air flow will guarantee full power in the tools.

### Quality

The bodies of the couplings are made of hardened steel with a no-leakage design for long service life and heavy duty applications.

### Ergonomics

Compact dimensions and low weight.

### Safety

ErgoQIC and QIC S are vented safety versions to minimize the risk of sudden

component separation and sound bang. The safety features are according to EN 983 and ISO 4414.

### The range

The range consists of 23 different types, ErgoQIC 08/E/US/ARO, ErgoQIC 10/ASIA/US/AC, ErgoQIC 15E/US, QIC 08/S, QIC 10/S/E/SE/ASIA/US, QIC 15/S/SE/US and CLAW. The ErgoQIC system is a ball valve coupling with a safety feature offering a higher flow than ordinary coupling systems. The QIC system is a normal quick coupling system with high air flow. The QIC S and QIC SE are quick couplings with a safety function. The Claw coupling is a large bore claw coupling system offering a very high air flow.

For assembly tools, riveting hammers and drills it is recommended that

a smaller sized coupling such as QIC 10/S/E/SE, ErgoQIC 08/E and ErgoQIC 10US is used, but for assembly tools and drills with higher air consumption than 20 l/s it is recommended that QIC 15/S/SE, ErgoQIC 10 or ErgoQIC 15US are used. For grinders and percussive tools it is recommended that the bigger sized couplings QIC 15/S/SE and ErgoQIC 10 and Claw are used. For smaller grinders with air consumption below 10 l/s ErgoQIC 08/E, QIC 10/S/E/SE and ErgoQIC 10US can be used.

Pocket coupling selector available, Ordering No. 9833 1648 08

## Selection Guide

Standard Type Market	GLOBAL		EU standard		ISO 6150-B (former US)			ARO 210	EU	EU	ASIA
			7.6 (7.4)	10.4	1/4"	3/8"	1/2"				
					Benelux, France, US, Norway, Switzerland			Benelux, US	Australia		Italy, SA
Atlas Copco ErgoQIC	08	10	08E	15E	08US	10US	15US	08AR	10AC		10 ASIA
Atlas Copco QIC			10E	15E	08	10US	15US		10	15	10 ASIA
Atlas Copco QIC Safety			10SE	15SE	08S				10S	15S	
CEJN			320	410	310	430	550	300			315
Oetiker			SC C		SC B1	SC E	SC H	SC A1			SC D
Tema			1600	1700	1400				1650	1750	
Rectus			25/26	27	23/24	30	37	14/22	33	34	13
Prevost			ESC/ERC07		IRC/ISC06	IRC/ISC08	ISG 11	ARM06			ORG
Nitto Kohki											20/30/40
ARO					102	103/203	104/204	210			
Amflo					C20B	C26	C10	C38			
Bosch			7.2								
Parker				55	30 / B23	25F	17	50 / B53			
Foster					3003	4404	5205	210			
Camozzi			508/5180								
Dynaquip					1/4"	3/8"					
EWO			x								
Festo			KD								
Gromelle					600	900		GD16600			
Hansen					22/3000	400/4000	500/5000	20/4 RO			
Ingersoll Rand			7S7		A2/MS/102	A3/103/203	A4/104/204	210/AN6/AS6			
Kaeser			x								
Legris			25/26	27	23/24	30		14/22			13
Tomco					180	4000	5000	100			



## Atlas Copco Global standard

### ErgoQIC 08

The ErgoQIC 08 is a full flow quick coupling with no air restriction inside the coupling. It is suitable for assembly tools, drills and small grinders. Upgrading any air system with ErgoQIC 08 will give the benefits of productivity and energy efficiency.

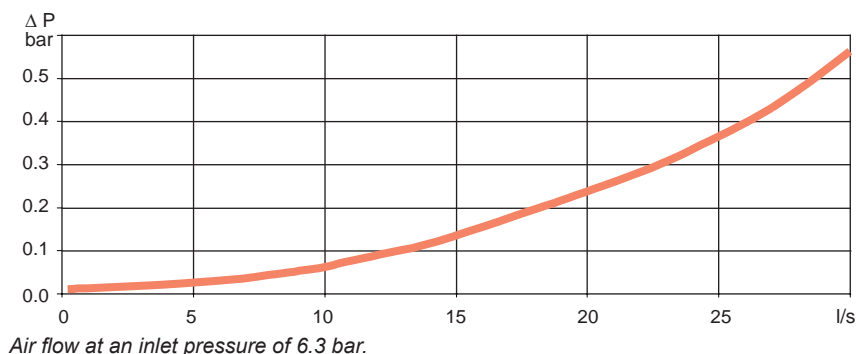
- Full flow coupling.
- Ergonomic design, small size and low weight.
- Strong and durable.
- Safety feature according to EN 983 / ISO 4414.
- Main market: Global.



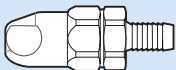
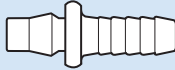




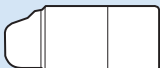
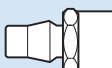
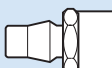
## Technical Data

Max flow capacity	29 l/s (0.5 bar $\Delta P$ )
Economical air flow	18 l/s (0.2 bar $\Delta P$ )
Max working pressure	16 bar
Temperature range	-10°C to +70°C

Flow chart. ErgoQIC 08 M15 and ErgoNIP 08 M10



ErgoQIC 08 and ErgoNIP 08, 18 l/s (recommended air flow at 6.3 bar pressure)

Connection type	Coupling ErgoQIC 08	Ordering No.	Size		Connection type	Nipple ErgoNIP 08	Ordering No.	Size	
			mm	in				mm	in
	H06	8202 1110 04	6.3	1/4		H05	8202 1210 33	5	3/16
	H08	8202 1110 12	8	5/16		H06	8202 1210 37	6.3	1/4
	H10	8202 1110 38	10	3/8		H08	8202 1210 45	8	5/16
	H13	8202 1110 40	12.5	1/2		H10	8202 1210 52	10	3/8
	M08	8202 1110 61	1/4 BSP			SH06	8202 1210 39	6.3	1/4
	M10	8202 1110 79	3/8 BSP			SH08	8202 1210 47	8	5/16
	M15	8202 1110 87	1/2 BSP			SH10	8202 1210 50	10	3/8
	F08	8202 1110 90	1/4 BSP			SH13	8202 1210 55	12.5	1/2
	F10	8202 1110 95	3/8 BSP			M06	8202 1210 03	1/8 BSP	
	F15	8202 1110 96	1/2 BSP			M08	8202 1210 11	1/4 BSP	
Protective cover 		9090 1940 00				M10	8202 1210 29	3/8 BSP	
						M15	8202 1210 31	1/2 BSP	
	F08	8202 1210 60	1/4 BSP			F08	8202 1210 60	1/4 BSP	
	F10	8202 1210 62	3/8 BSP			F10	8202 1210 62	3/8 BSP	

<sup>a</sup> For joining hoses longer than 3 meters.

## Atlas Copco Global standard

### ErgoQIC 10

The ErgoQIC 10 is a full flow coupling with no air restriction inside the coupling. It is suitable for assembly tools, drills and grinders. Upgrading any air system with ErgoQIC 10 will give the benefits of productivity and energy efficiency.

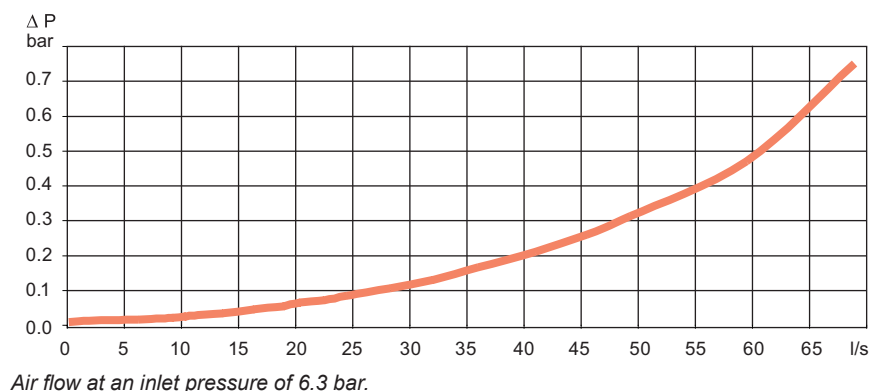
- Extreme full flow coupling.
- Strong and durable.
- Minimized connection force.
- Safety feature according to EN 983 / ISO 4414.
- Main market: Global.



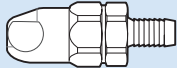
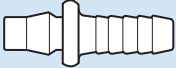

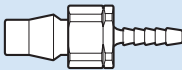

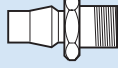

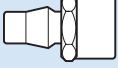
## Technical Data

Max flow capacity 60 l/s (0.5 bar  $\Delta P$ )  
 Economical air flow 40 l/s (0.2 bar  $\Delta P$ )  
 Max working pressure 16 bar  
 Temperature range -10°C to +70°C

Flow chart. ErgoQIC 10 M15 and ErgoNIP 10 M15



### ErgoQIC 10 and ErgoNIP 10, 40 l/s (recommended air flow at 6.3 bar pressure)

Connection type	Coupling ErgoQIC 10	Ordering No.	Size		Connection type	Nipple ErgoNIP 10	Ordering No.	Size	
			mm	in				mm	in
	H06	8202 1120 30	6.3	1/4		H06	8202 1220 35	6.3	1/4
	H08	8202 1120 40	8	5/16		H08	8202 1220 43	8	5/16
	H10	8202 1120 02	10	3/8		H10	8202 1220 50	10	3/8
	H13	8202 1120 10	12.5	1/2		H13	8202 1220 68	12.5	1/2
	H16	8202 1120 50	16	5/8		H16	8202 1220 76	16	5/8
	H20	8202 1120 60	19	3/4		H20	8202 1220 77	19	3/4
	M08	8202 1120 85	1/4	BSP		SH06	8202 1220 37	6.3	1/4
	M10	8202 1120 93	3/8	BSP		SH08	8202 1220 45	8	5/16
	M15	8202 1120 97	1/2	BSP		SH10	8202 1220 52	10	3/8
	M20	8202 1120 98	3/4	BSP		SH13	8202 1220 70	12.5	1/2
	M25	8202 1120 99	1	BSP		SH16	8202 1220 74	16	5/8
	F08	8202 1121 00	1/4	BSP		M08	8202 1220 01	1/4	BSP
	F10	8202 1121 05	3/8	BSP		M10	8202 1220 19	3/8	BSP
	F15	8202 1121 10	1/2	BSP		M15	8202 1220 27	1/2	BSP
		9090 1931 00				F08	8202 1220 84	1/4	BSP
						F10	8202 1220 86	3/8	BSP
						F15	8202 1220 88	1/2	BSP

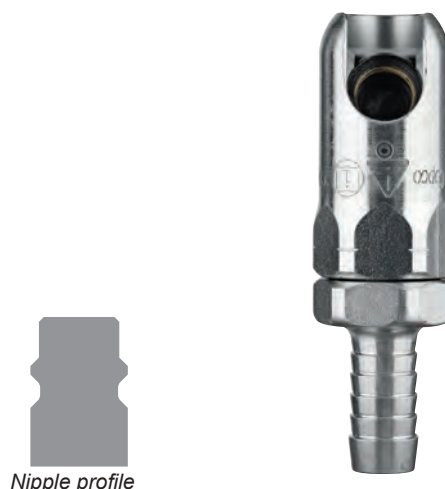
<sup>a</sup> For joining hoses longer than 3 meters.

## Eurostandard 7.6 (7.4)

**ErgoQIC 08E**

The ErgoQIC 08E is a full flow quick coupling with no air restriction inside the coupling. It is suitable for assembly tools, drills and small grinders. Upgrading any air system using Eurostandard nipples with ErgoQIC 08E couplings will give the benefits of productivity and energy efficiency.

- Full flow coupling.
- Ergonomic design, small size and low weight.
- Strong and durable.
- Safety feature according to EN 983 / ISO 4414.
- Main market: Europe.

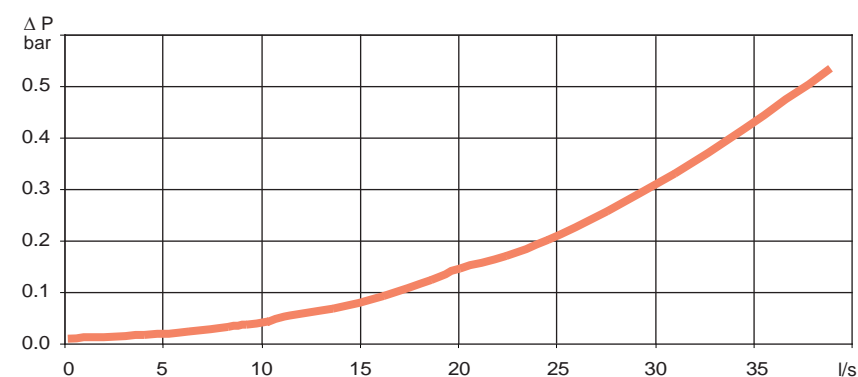


Nipple profile

## Technical Data

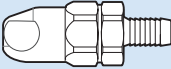


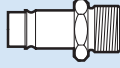
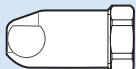
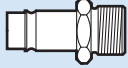
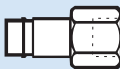
Max flow capacity 38 l/s (0.5 bar  $\Delta P$ )  
 Economical air flow 24 l/s (0.2 bar  $\Delta P$ )  
 Max working pressure 16 bar  
 Temperature range -10°C to +70°C

Flow chart. ErgoQIC 08E and NIP EU 7.6



Air flow at an inlet pressure of 6.3 bar.

## ErgoQIC 08E and NIP EU 7.6, 24 l/s (recommended air flow at 6.3 bar pressure)

Connection type	Coupling ErgoQIC 08E	Ordering No.	Size		Connection type	Nipple NIP EU 7.6	Ordering No.	Size	
			mm	in				mm	in
<b>H</b> – Hose 	H06	8202 1106 00	6.3	1/4	<b>H</b> – Hose 	H05	8202 1204 00	5	3/16
	H08	8202 1106 01	8	5/16		H06	8202 1204 05	6.3	1/4
	H10	8202 1106 02	10	3/8		H08	8202 1204 10	8	5/16
	H13	8202 1106 03	12.5	1/2		H10	8202 1204 15	10	3/8
<b>M</b> – Male thread 	M08	8202 1106 04	1/4	BSP	<b>M</b> – Male thread 	M06	8202 1204 25	1/8	BSP
	M10	8202 1106 05	3/8	BSP		M08	8202 1204 30	1/4	BSP
	M15	8202 1106 06	1/2	BSP		M10	8202 1204 35	3/8	BSP
<b>F</b> – Female 	F08	8202 1106 07	1/4	BSP	<b>MT</b> – Male taper thread 	MT08	8202 1204 40	1/4	BSPT
	F10	8202 1106 08	3/8	BSP		MT10	8202 1204 45	3/8	BSPT
	F15	8202 1106 09	1/2	BSP		MT15	8202 1204 50	1/2	BSPT
					<b>F</b> – Female 	F08	8202 1204 55	1/4	BSP
						F10	8202 1204 60	3/8	BSP

## Eurostandard 7.6 (7.4)

### QIC 10E

The QIC 10E safety coupling is easy to handle and suitable for assembly tools and drills. The QIC 10E is compatible with eurostandard nipples. QIC 10E has a wide range of connections available.

- High flow coupling.
- One-hand operation.
- Low connection force.
- Main market: Europe.



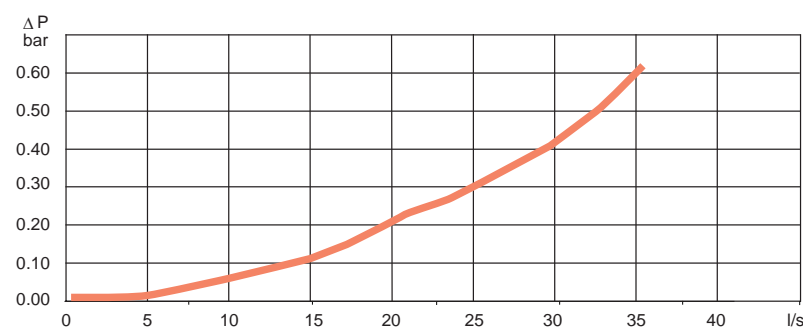
Nipple profile



## Technical Data




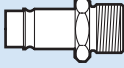
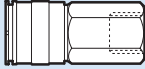
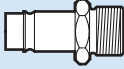
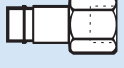
Max flow capacity 32 l/s (0.5 bar  $\Delta P$ )  
 Economical air flow 20 l/s (0.2 bar  $\Delta P$ )  
 Max working pressure 16 bar  
 Temperature range -20°C to +80°C

Flow chart. QIC 10E M10 and NIP EU 7.6



Air flow at an inlet pressure of 6.3 bar.

QIC 10E and NIP EU 7.6, 20 l/s (recommended air flow at 6.3 bar pressure)

Connection type	Coupling QIC 10E	Ordering No.	Size		Connection type	Nipple NIP EU 7.6	Ordering No.	Size	
			mm	in				mm	in
<b>H – Hose</b> 	H06	8202 1303 80	6.3	1/4	<b>H – Hose</b> 	H05	8202 1204 00	5	3/16
	H08	8202 1303 81	8	5/16		H06	8202 1204 05	6.3	1/4
	H10	8202 1303 82	10	3/8		H08	8202 1204 10	8	5/16
	H13	8202 1303 83	13	1/2		H10	8202 1204 15	10	3/8
<b>MT – Male taper thread</b> 	MT08	8202 1303 84	1/4 BSPT		<b>M – Male thread</b> 	M06	8202 1204 25	1/8 BSP	
	MT10	8202 1303 85	3/8 BSPT			M08	8202 1204 30	1/4 BSP	
	MT15	8202 1303 86	1/2 BSPT			M10	8202 1204 35	3/8 BSP	
<b>F – Female</b> 	F08	8202 1303 87	1/4 BSP		<b>MT – Male taper thread</b> 	MT08	8202 1204 40	1/4 BSPT	
	F10	8202 1303 88	3/8 BSP			MT10	8202 1204 45	3/8 BSPT	
	F15	8202 1303 89	1/2 BSP			MT15	8202 1204 50	1/2 BSPT	
					<b>F – Female</b> 	F08	8202 1204 55	1/4 BSP	
						F10	8202 1204 60	3/8 BSP	



## Eurostandard 7.6 (7.4)

**QIC 10SE**

The QIC 10SE safety coupling is easy to handle and suitable for assembly tools and drills. The QIC 10SE is compatible with eurostandard nipples. QIC 10SE has a wide range of connections available.

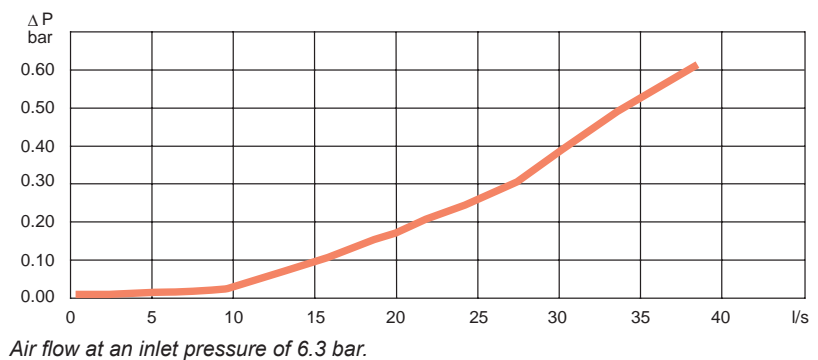
- High flow coupling.
- One-hand operation.
- Safety feature according to EN 983 / ISO 4414.
- Main market: Europe.





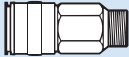



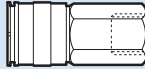
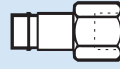
## Technical Data

Max flow capacity 34 l/s (0.5 bar  $\Delta P$ )  
 Economical air flow 22 l/s (0.2 bar  $\Delta P$ )  
 Max working pressure 16 bar  
 Temperature range -20°C to +80°C

Flow chart. QIC 10SE M10 and NIP EU 7.6



QIC 10SE and NIP EU 7.6, 22 l/s (recommended air flow at 6.3 bar pressure)

Connection type	Coupling QIC 10SE	Ordering No.	Size		Connection type	Nipple NIP EU 7.6	Ordering No.	Size	
			mm	in				mm	in
<b>H – Hose</b> 	H06	8202 1303 60	6.3	1/4	<b>H – Hose</b> 	H05	8202 1204 00	5	3/16
	H08	8202 1303 61	8	5/16		H06	8202 1204 05	6.3	1/4
	H10	8202 1303 62	10	3/8		H08	8202 1204 10	8	5/16
	H13	8202 1303 63	12.5	1/2		H10	8202 1204 15	10	3/8
<b>M – Male thread</b> 	M08	8202 1303 64	1/4	BSP	<b>M – Male thread</b> 	M06	8202 1204 25	1/8	BSP
	M10	8202 1303 65	3/8	BSP		M08	8202 1204 30	1/4	BSP
	M15	8202 1303 66	1/2	BSP		M10	8202 1204 35	3/8	BSP
<b>MT – Male taper thread</b> 	MT15	8202 1303 67	1/2	BSPT	<b>MT – Male taper thread</b> 	MT08	8202 1204 40	1/4	BSPT
						MT10	8202 1204 45	3/8	BSPT
						MT15	8202 1204 50	1/2	BSPT
<b>F – Female</b> 	F08	8202 1303 68	1/4	BSP	<b>F – Female</b> 	F08	8202 1204 55	1/4	BSP
	F10	8202 1303 69	3/8	BSP		F10	8202 1204 60	3/8	BSP
	F15	8202 1303 70	1/2	BSP					

## Euro standard 10.4

### ErgoQIC 15E

The ErgoQIC 15E is a full flow coupling with no air restriction inside the coupling suitable for large air consuming assembly tools, drills and grinders. Upgrading any air system with ErgoQIC 15E will give the benefit of productivity and energy efficiency.

- Extreme full flow coupling.
- Strong and durable.
- Minimized connection force.
- Safety feature according to EN 983 / ISO 4414.
- Main market: Europe.



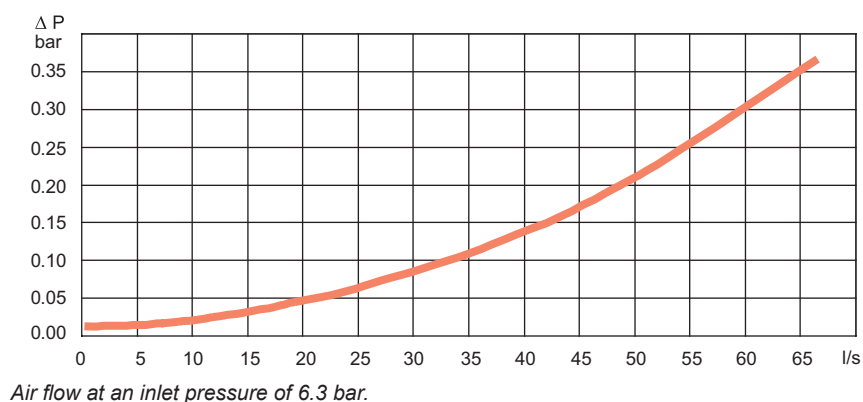
Nipple profile



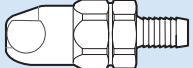


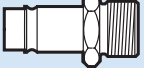
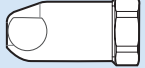
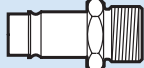
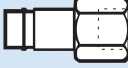
## Technical Data

Max flow capacity 76 l/s (0.5 bar  $\Delta P$ )  
 Economical air flow 49 l/s (0.2 bar  $\Delta P$ )  
 Max working pressure 16 bar  
 Temperature range -20°C to +80°C

Flow chart. ErgoQIC 15E and NIP 15E



### ErgoQIC 15E and NIP 15E, 49 l/s (recommended air flow at 6.3 bar pressure)

Connection type	Coupling ErgoQIC 15E	Ordering No.	Size		Connection type	Nipple NIP 15E	Ordering No.	Size	
			mm	in				mm	in
	H10	8202 1106 50	10	3/8		H06	8202 1253 00	6.3	1/4
	H13	8202 1106 51	12.5	1/2		H08	8202 1253 05	8	5/16
	H16	8202 1106 52	16	5/8		H10	8202 1253 10	10	3/8
	H20	8202 1106 53	19	3/4		H13	8202 1253 15	12.5	1/2
						H16	8202 1253 20	16	5/8
	M10	8202 1106 60	3/8	BSP		M10	8202 1253 25	3/8	BSP
	M15	8202 1106 61	1/2	BSP		M15	8202 1253 30	1/2	BSP
	M20	8202 1106 62	3/4	BSP		M20	8202 1253 34	3/4	BSP
	M25	8202 1106 63	1	BSP					
	F10	8202 1106 70	3/8	BSP		MT08	8202 1253 35	1/4	BSPT
	F15	8202 1106 71	1/2	BSP		MT10	8202 1253 40	3/8	BSPT
						MT15	8202 1253 45	1/2	BSPT
					F – Female	F08	8202 1253 50	1/4	BSP
						F10	8202 1253 55	3/8	BSP
						F15	8202 1253 60	1/2	BSP
						F20	8202 1253 63	3/4	BSP

## Euro standard 10.4

### QIC 15E

The QIC 15E quick coupling is suitable for assembly tools, grinders and drills. The QIC 15E has a wide range of connections available and it is interchangeable with eurostandard nipples.

- Exceptionally high flow.
- One-hand operation.
- Strong and durable.
- Main market: Europe.



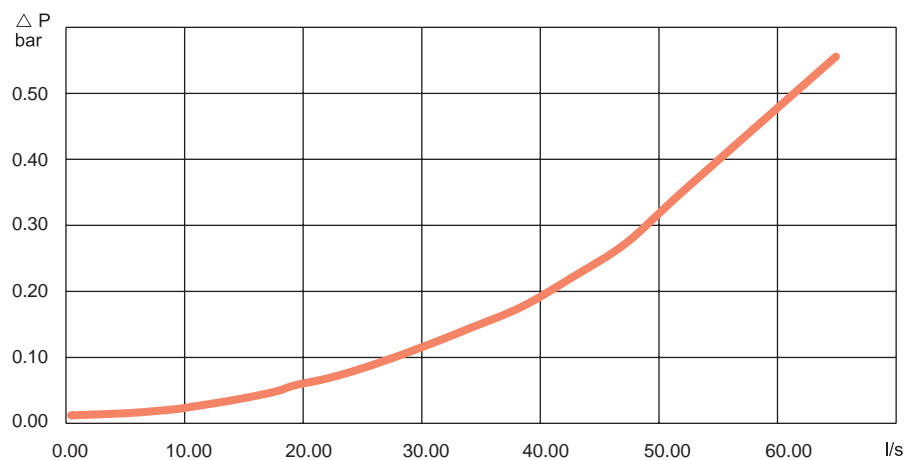
Nipple profile



## Technical Data

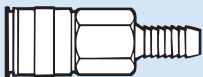


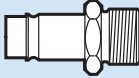
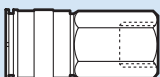
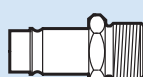

Max flow capacity 62 l/s (0.5 bar  $\Delta P$ )  
 Economical air flow 40 l/s (0.2 bar  $\Delta P$ )  
 Max working pressure 10 bar  
 Temperature range -20°C to +80°C

Flow chart. QIC 15E and NIP EU 10.4



Air flow at an inlet pressure of 6.3 bar.

QIC 15E and NIP EU 10.4, 40 l/s (recommended air flow at 6.3 bar pressure)

Connection type	Coupling QIC 15E	Ordering No.	Size		Connection type	Nipple NIP EU 10.4	Ordering No.	Size	
			mm	in				mm	in
<b>H – Hose</b> 	H10	8202 1304 81	10	3/8	<b>H - Hose</b> 	H06	8202 1253 00	6.3	1/4
	H13	8202 1304 82	12.5	1/2		H08	8202 1253 05	8	5/16
	H16	8202 1304 90	16	5/8		H10	8202 1253 10	10	3/8
	H20	8202 1304 83	19	3/4		H13	8202 1253 15	12.5	1/2
<b>MT - Male taper thread</b> 	MT10	8202 1304 84	3/8	BSPT	<b>M - Male</b> 	M10	8202 1253 25	3/8	BSP
	MT15	8202 1304 85	1/2	BSPT		M15	8202 1253 30	1/2	BSP
	MT20	8202 1304 86	3/4	BSPT		M20	8202 1253 34	3/4	BSP
<b>F - Female</b> 	F10	8202 1304 87	3/8	BSP	<b>M - Male taper thread</b> 	MT08	8202 1253 35	1/4	BSPT
	F15	8202 1304 88	1/2	BSP		MT10	8202 1253 40	3/8	BSPT
	F20	8202 1304 89	3/4	BSP		MT15	8202 1253 45	1/2	BSPT
					<b>F - Female</b> 	F08	8202 1253 50	1/4	BSP
						F10	8202 1253 55	3/8	BSP
						F15	8202 1253 60	1/2	BSP
						F20	8202 1253 63	3/4	BSP

## Euro standard 10.4

### QIC 15SE

The QIC 15SE safety coupling is suitable for assembly tools, grinders and drills. The QIC 15SE is interchangeable with eurostandard nipples and can withstand rough handling.

- Exceptionally high flow.
- One-hand operation.
- Safety feature according to EN 983 / ISO 4414.
- Main market: Europe.



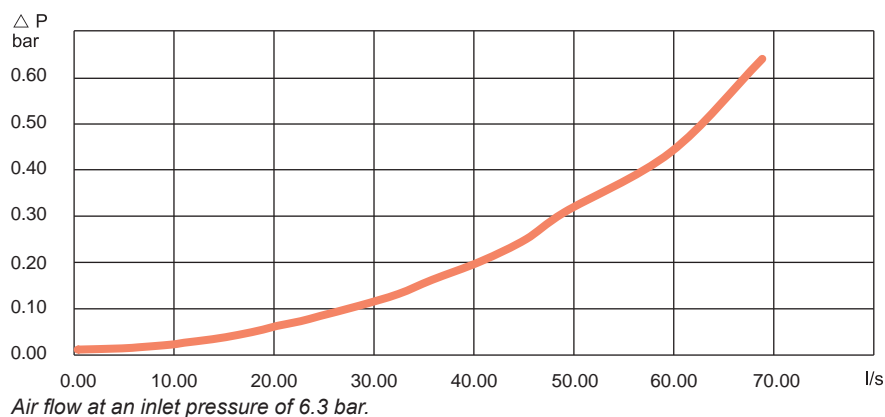
Nipple profile






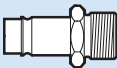

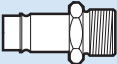
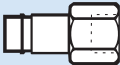
## Technical Data

Max flow capacity 63 l/s (0.5 bar  $\Delta P$ )  
 Economical air flow 41 l/s (0.2 bar  $\Delta P$ )  
 Max working pressure 10 bar  
 Temperature range -20°C to +80°C

Flow chart. QIC 15SE M15 and NIP 15E F15



QIC 15SE and NIP 15E, 41 l/s (recommended air flow at 6.3 bar pressure)

Connection type	Coupling QIC 15SE	Ordering No.	Size		Connection type	Nipple NIP 15E	Ordering No.	Size		
			mm	in				mm	in	
<b>H – Hose</b> 	H10	8202 1305 30	10	3/8	<b>H – Hose</b> 	H06	8202 1253 00	6.3	1/4	
	H13	8202 1305 31	12.5	1/2		H08	8202 1253 05	8	5/16	
	H16	8202 1305 32	16	5/8		H10	8202 1253 10	10	3/8	
						H13	8202 1253 15	12.5	1/2	
<b>M – Male thread</b> 	M08	8202 1305 33	1/4	BSP		<b>M – Male thread</b> 	M10	8202 1253 25	3/8	BSP
	M10	8202 1305 34	3/8	BSP			M15	8202 1253 30	1/2	BSP
	M15	8202 1305 35	1/2	BSP	M20		8202 1253 34	3/4	BSP	
<b>F – Female thread</b> 	F15	8202 1305 36	1/2	BSP	<b>MT – Male taper thread</b> 		MT08	8202 1253 35	1/4	BSPT
						MT10	8202 1253 40	3/8	BSPT	
							MT15	8202 1253 45	1/2	BSPT
					<b>F – Female thread</b> 	F08	8202 1253 50	1/4	BSP	
						F10	8202 1253 55	3/8	BSP	
						F15	8202 1253 60	1/2	BSP	
						F20	8202 1253 63	3/4	BSP	



## ISO 6150-B/US standard

**ErgoQIC 08US**

The ErgoQIC 08US is a full flow quick coupling with no air restriction inside the coupling suitable for assembly tools, drills and small grinders. Upgrading any air system with ErgoQIC 08US will give the benefit of productivity and energy efficiency.

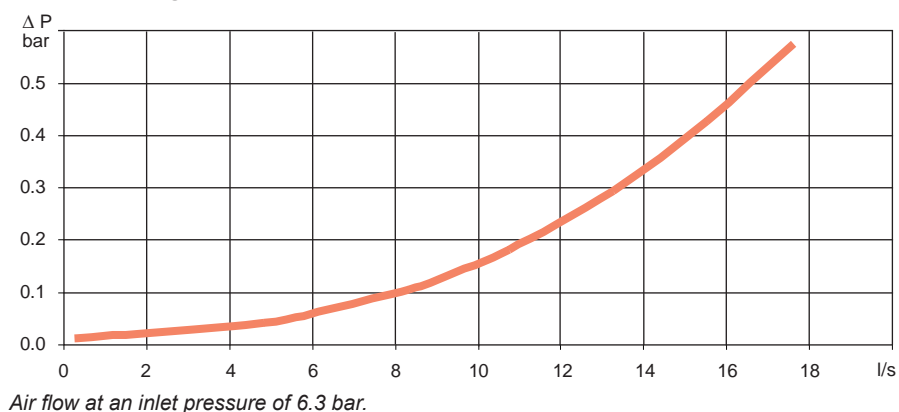
- Full flow coupling.
- Ergonomic design, small size and low weight.
- Strong and durable.
- Safety feature according to EN 983 / ISO 4414.
- Main market: North America, France, Norway and Spain.

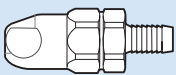

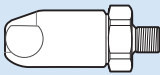
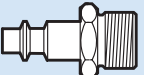
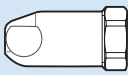
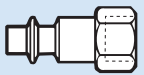


## Technical Data

Max flow capacity 17 l/s (0.5 bar  $\Delta P$ )  
 Economical air flow 11 l/s (0.2 bar  $\Delta P$ )  
 Max working pressure 16 bar  
 Temperature range -20°C to 80°C

Flow chart. ErgoQIC 08US and NIP 08

**ErgoQIC 08US and NIP 08, 11 l/s (recommended air flow at 6.3 bar pressure)**

Connection type	Coupling ErgoQIC 08US		Size		Connection type	Nipple NIP 08		Size	
		Ordering No.	mm	in			Ordering No.	mm	in
<b>H – Hose</b> 	H06	8202 1103 00	6.3	1/4	<b>H – Hose</b> 	H06	8202 1205 18	6.3	1/4
	H08	8202 1103 01	8	5/16		H08	8202 1205 26	8	5/16
	H10	8202 1103 02	10	3/8		H10	8202 1205 34	10	3/8
	H13	8202 1103 03	12.5	1/2		H13	8202 1208 03	12.5	1/2
<b>M – Male</b> 	M08	8202 1103 05	1/4 BSP		<b>M – Male</b> 	M06	8202 1205 42	1/8 BSP	
	M10	8202 1103 07	3/8 BSP			M08	8202 1205 59	1/4 BSP	
	M15	8202 1103 09	1/2 BSP			M10	8202 1205 67	3/8 BSP	
<b>F – Female</b> 	F08	8202 1103 11	1/4 BSP		<b>F – Female</b> 	F06	8202 1208 10	1/8 BSP	
	F10	8202 1103 13	3/8 BSP			F08	8202 1205 83	1/4 BSP	
						F10	8202 1205 91	3/8 BSP	

## ISO 6150-B/US standard

### QIC 08

The QIC 08 coupling is suitable for small screwdrivers and drills. Its lightweight, compact design makes the QIC 08 coupling easy to work with.

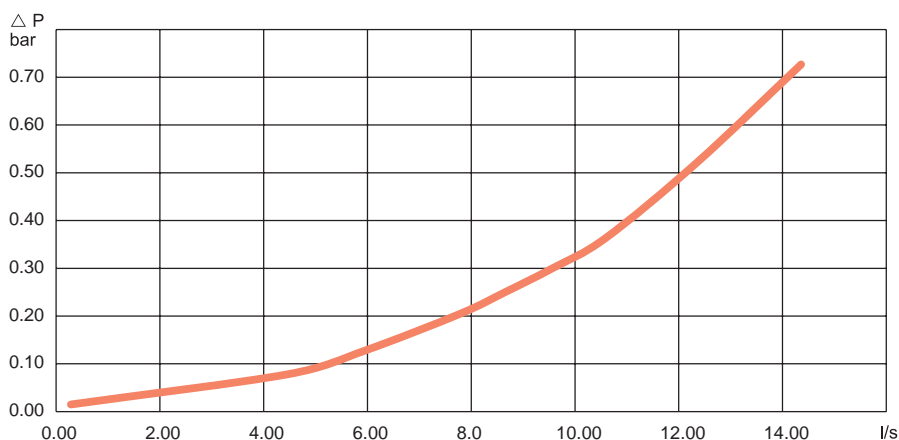
- High flow coupling.
- One-hand operation.
- Low connection force.
- Main market: North America, France, Norway and Spain.



## Technical Data




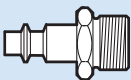

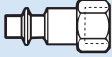
Max flow capacity 12 l/s (0.5 bar  $\Delta P$ )  
 Economical air flow 8 l/s (0.2 bar  $\Delta P$ )  
 Max working pressure 16 bar  
 Temperature range -20°C to +80°C

Flow chart. QIC 08 M08 and NIP 08 F08



Air flow at an inlet pressure of 6.3 bar.

QIC 08 and NIP 08, 8 l/s (recommended air flow at 6.3 bar pressure)

Connection type	Coupling QIC 08	Ordering No.	Size		Connection type	Nipple NIP 08	Ordering No.	Size	
			mm	in				mm	in
<b>H – Hose</b> 	H06	8202 1300 04	6.3	1/4	<b>H – Hose</b> 	H06	8202 1205 18	6.3	1/4
	H08	8202 1300 12	8	5/16		H08	8202 1205 26	8	5/16
	H10	8202 1300 20	10	3/8		H10	8202 1205 34	10	3/8
<b>M – Male thread</b> 	M08	8202 1300 38	1/4	BSP	<b>M – Male thread</b> 	M06	8202 1205 42	1/8	BSP
	M10	8202 1300 46	3/8	BSP		M08	8202 1205 59	1/4	BSP
						M10	8202 1205 67	3/8	BSP
<b>F – Female thread</b> 	F08	8202 1300 53	1/4	BSP	<b>F – Female thread</b> 	F08	8202 1205 83	1/4	BSP
	F10	8202 1300 61	3/8	BSP		F10	8202 1205 91	3/8	BSP

## ISO 6150-B/US standard

### QIC 08S

The QIC 08S is a compact safety coupling suitable for small screwdrivers and drills. The light, compact design of QIC 08S couplings makes them easy to work with.

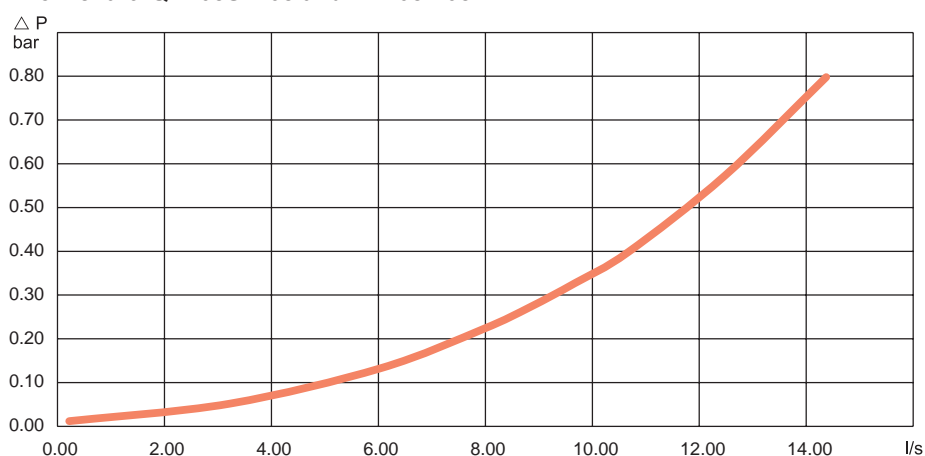
- High flow coupling.
- One-hand operation.
- Safety feature according to EN 983 / ISO 4414.
- Main market: North America, France, Norway and Spain.



## Technical Data





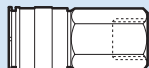
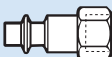
Max flow capacity 12 l/s (0.5 bar  $\Delta P$ )  
 Economical air flow 8 l/s (0.2 bar  $\Delta P$ )  
 Max working pressure 16 bar  
 Temperature range -20°C to +80°C

Flow chart. QIC 08S M08 and NIP 08 F08



Air flow at an inlet pressure of 6.3 bar.

QIC 08S and NIP 08, 8 l/s (recommended air flow at 6.3 bar pressure)

Connection type	Coupling QIC 08S	Ordering No.	Size		Connection type	Nipple NIP 08	Ordering No.	Size	
			mm	in				mm	in
<b>H – Hose</b> 	H06	8202 1300 09	6.3	1/4	<b>H – Hose</b> 	H06	8202 1205 18	6.3	1/4
	H08	8202 1300 18	8	5/16		H08	8202 1205 26	8	5/16
	H10	8202 1300 28	10	3/8		H10	8202 1205 34	10	3/8
<b>M – Male thread</b> 	M08	8202 1300 43	1/4 BSP		<b>M – Male thread</b> 	M06	8202 1205 42	1/8 BSP	
	M10	8202 1300 45	3/8 BSP			M08	8202 1205 59	1/4 BSP	
						M10	8202 1205 67	3/8 BSP	
<b>F – Female thread</b> 	F08	8202 1300 58	1/4 BSP		<b>F – Female thread</b> 	F08	8202 1205 83	1/4 BSP	
	F10	8202 1300 68	3/8 BSP			F10	8202 1205 91	3/8 BSP	

## ISO 6150-B/US standard

### ErgoQIC 10US

The ErgoQIC 10US is a full flow quick coupling with no air restriction inside the coupling suitable for assembly tools, drills and small grinders. Upgrading any air system with ErgoQIC 10US couplings will give the benefit of productivity and energy efficiency.

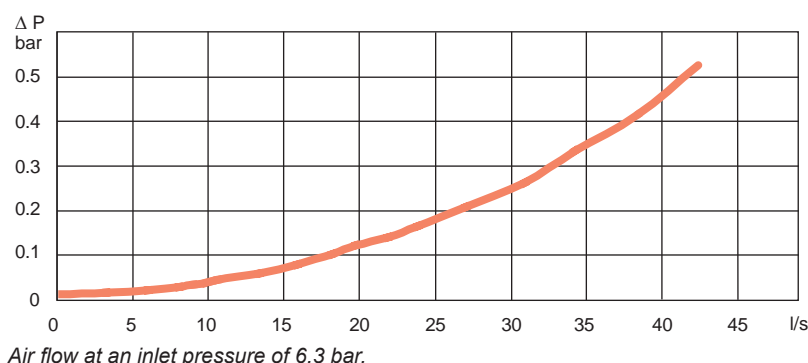
- Full flow coupling.
- Ergonomic design, small size and low weight.
- Strong and durable.
- Safety feature according to EN 983 / ISO 4414.
- Main market: North America, France, Norway and Spain.



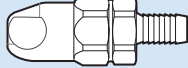



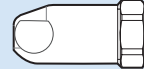
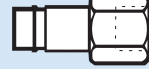
## Technical Data

Max flow capacity 43 l/s (0.5 bar  $\Delta P$ )  
 Economical air flow 27 l/s (0.2 bar  $\Delta P$ )  
 Max working pressure 16 bar  
 Temperature range -20°C to 80°C

Flow chart. ErgoQIC 10US and NIP 10US



ErgoQIC 10US and NIP 10US, 27 l/s (recommended air flow at 6.3 bar pressure)

Connection type	Coupling ErgoQIC 10US	Ordering No.	Size		Connection type	Nipple NIP 10US	Ordering No.	Size	
			mm	in				mm	in
	H08	8202 1107 01	8	5/16		H08	8202 1210 70	8	5/16
	H10	8202 1107 02	10	3/8		H10	8202 1210 71	10	3/8
	H13	8202 1107 03	12.5	1/2		H13	8202 1210 72	12.5	1/2
	H16	8202 1107 04	16	5/8		H16	8202 1210 73	16	5/8
	H20	8202 1107 05	19	3/4		H20	8202 1210 74	19	3/4
	M08	8202 1107 07	1/4	BSP		M08	8202 1210 75	1/4	BSP
	M10	8202 1107 09	3/8	BSP		M10	8202 1210 76	3/8	BSP
	M15	8202 1107 11	1/2	BSP		M15	8202 1210 77	1/2	BSP
	F08	8202 1107 13	1/4	BSP		F08	8202 1210 81	1/4	BSP
	F10	8202 1107 15	3/8	BSP		F10	8202 1210 82	3/8	BSP
	F15	8202 1107 17	1/2	BSP		F15	8202 1210 83	1/2	BSP

## ISO 6150-B/US standard

### QIC 10US

The QIC 10US quick coupling is suitable for assembly tools, drills and small grinders. The QIC 10US has a wide range of connections available and it is interchangeable with US 3/8" standard nipples.

- High flow.
- One-hand operation.
- Strong and durable.
- Main market: Global.

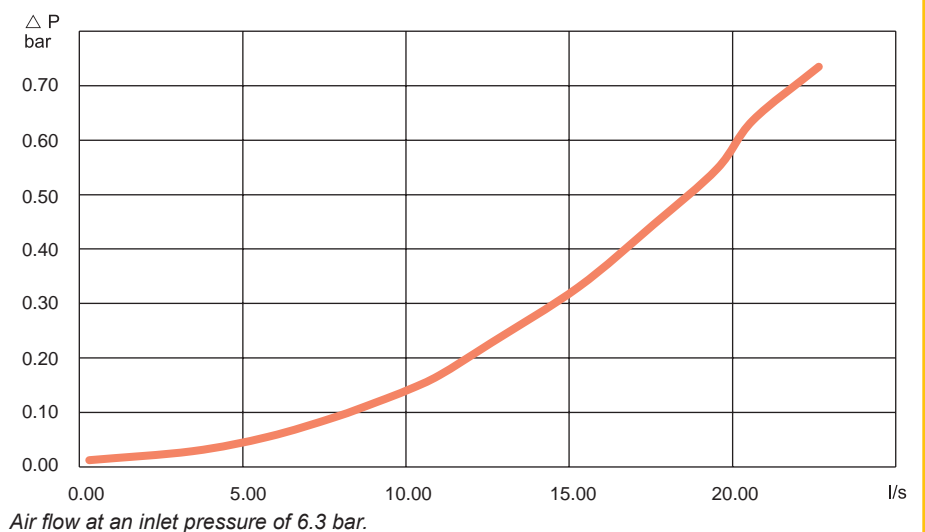


Nipple profile





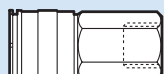
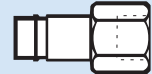
## Technical Data

Max flow capacity 19 l/s (0.5 bar  $\Delta P$ )  
 Economical air flow 12 l/s (0.2 bar  $\Delta P$ )  
 Max working pressure 10 bar  
 Temperature range -20°C to 80°C

Flow chart. QIC 10US and NIP 10US



QIC 10US and NIP 10US, 12 l/s (recommended air flow at 6.3 bar pressure)

Connection type	Coupling QIC 10US	Ordering No.	Size		Connection type	Nipple NIP 10US	Ordering No.	Size	
			mm	in				mm	in
<b>H – Hose</b> 	H08	8202 1307 01	8	5/16	<b>H – Hose</b> 	H08	8202 1210 70	8	5/16
	H10	8202 1307 02	10	3/8		H10	8202 1210 71	10	3/8
	H13	8202 1307 03	12.5	1/2		H13	8202 1210 72	12.5	1/2
						H16	8202 1210 73	16	5/8
<b>M – Male</b> 						H20	8202 1210 74	19	3/4
	M08	8202 1307 10	1/4	BSP	<b>M – Male</b> 	M08	8202 1210 75	1/4	BSP
	M10	8202 1307 11	3/8	BSP		M10	8202 1210 76	3/8	BSP
	M15	8202 1307 12	1/2	BSP		M15	8202 1210 77	1/2	BSP
<b>F – Female</b> 									
	F08	8202 1307 13	1/4	BSP	<b>F – Female</b> 	F08	8202 1210 81	1/4	BSP
	F10	8202 1307 14	3/8	BSP		F10	8202 1210 82	3/8	BSP
	F15	8202 1307 15	1/2	BSP		F15	8202 1210 83	1/2	BSP



## ISO 6150-B/US standard

### ErgoQIC 15US

The ErgoQIC 15US is a full flow coupling with no air restriction inside the coupling suitable for large air consuming assembly tools, drills and grinders. Upgrading any air system with ErgoQIC 15US will give the benefit of productivity and energy efficiency.

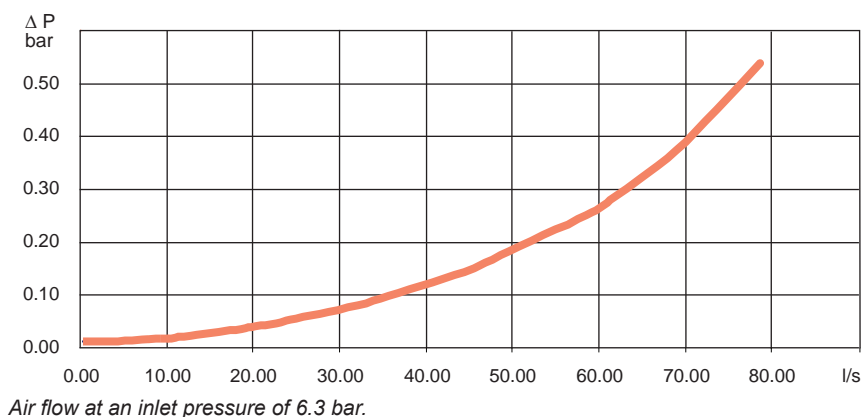
- Extreme full flow coupling.
- Strong and durable.
- Minimized connection force.
- Safety feature according to EN 983 / ISO 4414.
- Main market: North America, France, Norway and Spain.



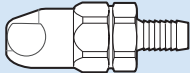


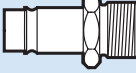
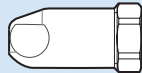
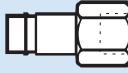
## Technical Data

Max flow capacity 77 l/s (0.5 bar  $\Delta P$ )  
 Economical air flow 52 l/s (0.2 bar  $\Delta P$ )  
 Max working pressure 16 bar  
 Temperature range -20°C to +80°C

Flow chart. ErgoQIC 15US and NIP 15US



ErgoQIC 15US and NIP 15US, 52 l/s (recommended air flow at 6.3 bar pressure)

Connection type	Coupling ErgoQIC 15US	Ordering No.	Size		Connection type	Nipple NIP 15US	Ordering No.	Size	
			mm	in				mm	in
<b>H – Hose</b> 	H10	8202 1108 02	10	3/8	<b>H – Hose</b> 	H10	8202 1215 40	10	3/8
	H13	8202 1108 03	12.5	1/2		H13	8202 1215 41	12.5	1/2
	H16	8202 1108 04	16	5/8		H16	8202 1215 42	16	5/8
	H20	8202 1108 05	19	3/4		H20	8202 1215 43	19	3/4
<b>M – Male</b> 	M10	8202 1108 09	3/8 BSP		<b>M – Male</b> 	M08	8202 1215 44	1/4 BSP	
	M15	8202 1108 11	1/2 BSP			M10	8202 1215 45	3/8 BSP	
	M20	8202 1108 18	3/4 BSP			M15	8202 1215 46	1/2 BSP	
	M25	8202 1108 20	1 BSP			M20	8202 1215 47	3/4 BSP	
<b>F – Female</b> 	F10	8202 1108 15	3/8 BSP		<b>F – Female</b> 	F10	8202 1215 52	3/8 BSP	
	F15	8202 1108 17	1/2 BSP			F15	8202 1215 53	1/2 BSP	

## ISO 6150-B/US standard

### QIC 15US

The QIC 15US quick coupling is suitable for assembly tools, drills and grinders. The QIC 15US has a wide range of connections available and it is interchangeable with US 3/8" standard nipples.

- Exceptional high flow.
- One-hand operation.
- Strong and durable.
- Main market: Global.

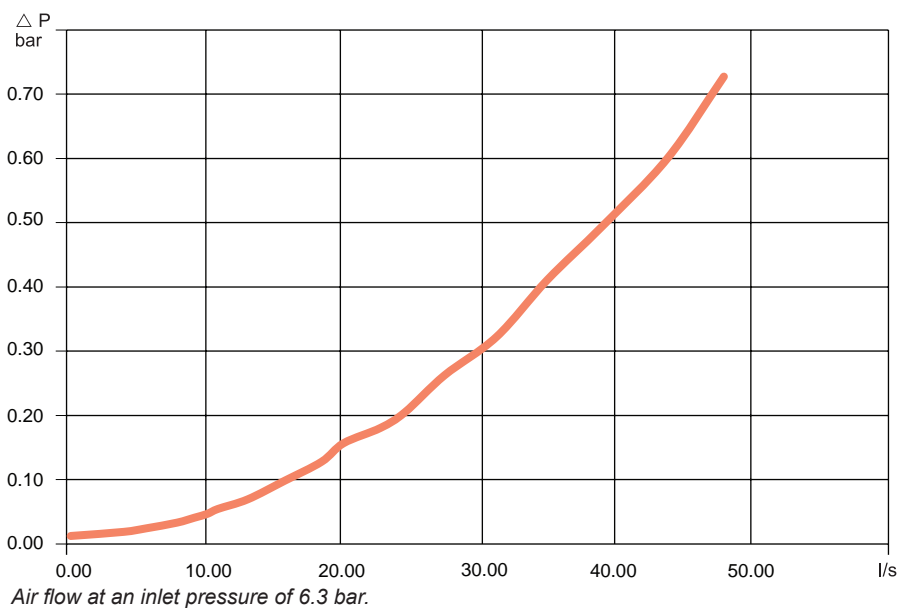


Nipple profile

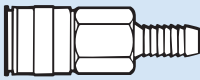


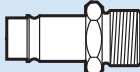

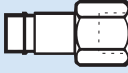
## Technical Data

Max flow capacity 40 l/s (0.5 bar  $\Delta P$ )  
 Economical air flow 22 l/s (0.2 bar  $\Delta P$ )  
 Max working pressure 10 bar  
 Temperature range -20°C to +80°C

Flow chart. QIC 15US and NIP 15US



QIC 15US and NIP 15US, 22 l/s (recommended air flow at 6.3 bar pressure)

Connection type	Coupling QIC 15US	Ordering No.	Size		Connection type	Nipple NIP 15US	Ordering No.	Size	
			mm	in				mm	in
<b>H – Hose</b> 	H13	8202 1308 02	12.5	1/2	<b>H – Hose</b> 	H10	8202 1215 40	10	3/8
	H16	8202 1308 20	16	5/8		H13	8202 1215 41	12.5	1/2
	H20	8202 1308 03	19	3/4		H16	8202 1215 42	16	5/8
<b>M – Male</b> 	M10	8202 1308 10	3/8 BSP		<b>M – Male</b> 	M08	8202 1215 44	1/4 BSP	
	M15	8202 1308 11	1/2 BSP			M10	8202 1215 45	3/8 BSP	
	M20	8202 1308 12	3/4 BSP			M15	8202 1215 46	1/2 BSP	
<b>F – Female</b> 	F10	8202 1308 13	3/8 BSP		<b>F – Female</b> 	F10	8202 1215 52	3/8 BSP	
	F15	8202 1308 14	1/2 BSP			F15	8202 1215 53	1/2 BSP	
	F20	8202 1308 15	3/4 BSP						

## ARO standard

### ErgoQIC 08AR

The ErgoQIC 08AR is a full flow quick coupling with no air restriction inside the coupling suitable for assembly tools and small drills. Upgrading any air system with ErgoQIC 08AR will give the benefit of productivity and energy efficiency.

- Full flow coupling.
- Ergonomic design, small size and low weight.
- Strong and durable.
- Safety feature according to EN 983 / ISO 4414.
- Main market: Global.



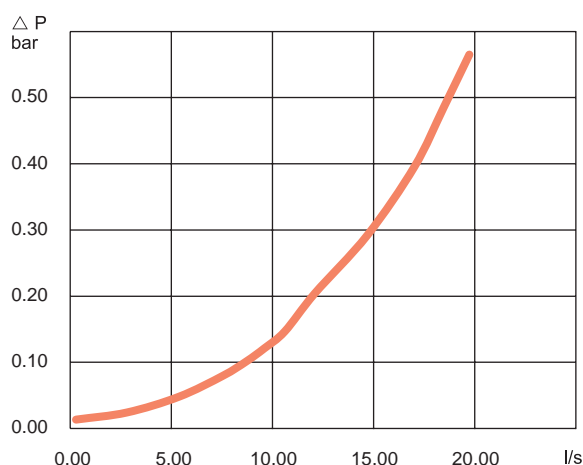
Nipple profile



## Technical Data

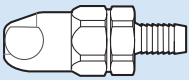

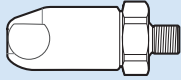
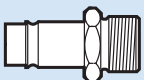
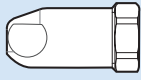
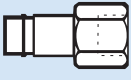
Max flow capacity 19 l/s (0.5 bar  $\Delta P$ )  
 Economical air flow 12 l/s (0.2 bar  $\Delta P$ )  
 Max working pressure 16 bar  
 Temperature range -10°C to +70°C

Flow chart. ErgoQIC 08AR and NIP 08AR



Air flow at an inlet pressure of 6.3 bar.

ErgoQIC 08AR and NIP 08AR, 12 l/s (recommended air flow at 6.3 bar pressure)

Connection type	Coupling ErgoQIC 08AR	Ordering No.	Size		Connection type	Nipple NIP 08AR	Ordering No.	Size	
			mm	in				mm	in
<b>H – Hose</b> 	H06	8202 1106 40	6.3	1/4	<b>H – Hose</b> 	H06	8202 1206 00	6.3	3/8
	H08	8202 1106 41	8	5/16		H08	8202 1206 01	8	1/2
	H10	8202 1106 42	10	3/8		H10	8202 1206 02	10	5/8
	H13	8202 1106 43	12.5	1/2		H13	8202 1206 03	12.5	3/4
<b>M – Male</b> 	M08	8202 1106 44	1/4	BSP	<b>MT – Male taper thread</b> 	MT08	8202 1206 04	1/4	BSPT
	M10	8202 1106 45	3/8	BSP		MT10	8202 1206 05	3/8	BSPT
	M15	8202 1106 46	1/2	BSP		MT15	8202 1206 06	1/2	BSPT
<b>F – Female</b> 	F08	8202 1106 47	1/4	BSP	<b>F – Female</b> 	F08	8202 1206 07	1/4	BSP
	F10	8202 1106 48	3/8	BSP		F10	8202 1206 08	3/8	BSP
						F15	8202 1206 09	1/2	BSP

## Atlas Copco standard EU

### ErgoQIC 10AC

The ErgoQIC 10AC is a full flow quick coupling with no air restriction inside the coupling suitable for assembly tools, drills and small grinders. Upgrading any air system with ErgoQIC 10AC will give the benefit of productivity and energy efficiency.

- Full flow coupling.
- Ergonomic design, small size and low weight.
- Strong and durable.
- Safety feature according to EN 983 / ISO 4414.
- Main market: Nordic, Benelux and Italy.



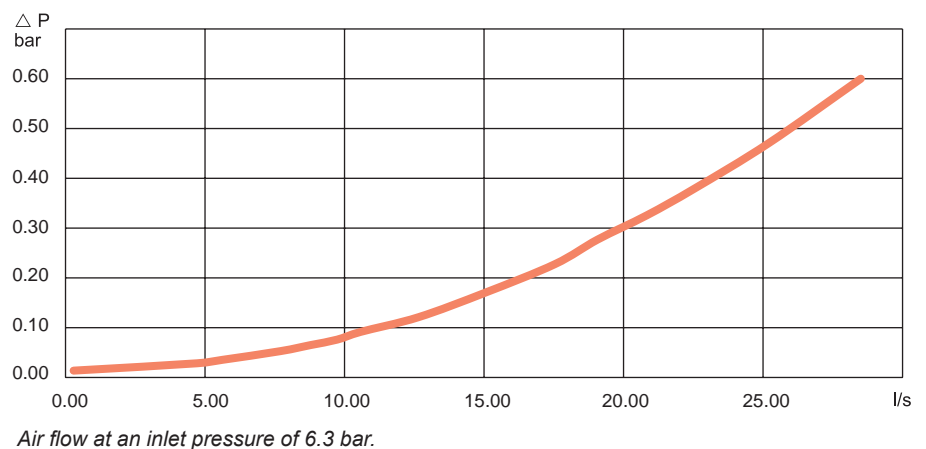
Nipple profile



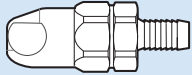

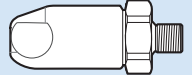
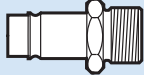
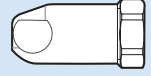
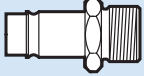
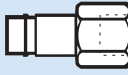
## Technical Data

Max flow capacity 26 l/s (0.5 bar  $\Delta P$ )  
 Economical air flow 17 l/s (0.2 bar  $\Delta P$ )  
 Max working pressure 16 bar  
 Temperature range -10°C to +70°C

Flow chart. ErgoQIC 10AC and NIP 10



ErgoQIC 10AC and NIP 10, 17 l/s (recommended air flow at 6.3 bar pressure)

Connection type	Coupling ErgoQIC 10AC	Ordering No.	Size		Connection type	Nipple NIP 10	Ordering No.	Size	
			mm	in				mm	in
<b>H – Hose</b> 	H08	8202 1109 01	8	5/16	<b>H – Hose</b> 	H06	8202 1202 11	6.3	3/8
	H10	8202 1109 02	10	3/8		H08	8202 1202 94	8	1/2
	H13	8202 1109 03	12.5	1/2		H10	8202 1202 29	10	5/8
<b>M – Male thread</b> 	M08	8202 1109 05	1/4 BSP			H13	8202 1202 34	12.5	3/4
	M10	8202 1109 06	3/8 BSP		<b>M – Male thread</b> 	M06	8202 1202 37	1/8 BSP	
	M15	8202 1109 07	1/2 BSP			M08	8202 1202 45	1/4 BSP	
<b>F – Female</b> 	F08	8202 1109 09	1/4 BSP			M10	8202 1202 52	3/8 BSP	
	F10	8202 1109 10	3/8 BSP		<b>MT – Male taper thread</b> 	MT08	8202 1202 60	1/4 BSPT	
	F15	8202 1109 11	1/2 BSP			MT10	8202 1202 78	3/8 BSPT	
						MT15	8202 1203 02	1/2 BSPT	
					<b>F – Female</b> 	F08	8202 1202 86	1/4 BSP	
						F10	8202 1202 87	3/8 BSP	

## Atlas Copco standard EU

### QIC 10

The QIC 10 is a small quick coupling suitable for assembly tools and drills. The QIC 10 can withstand extremely rough handling in tough applications.

- High flow coupling.
- Strong and durable.
- One-hand operation.
- Main market: Europe and Australia.



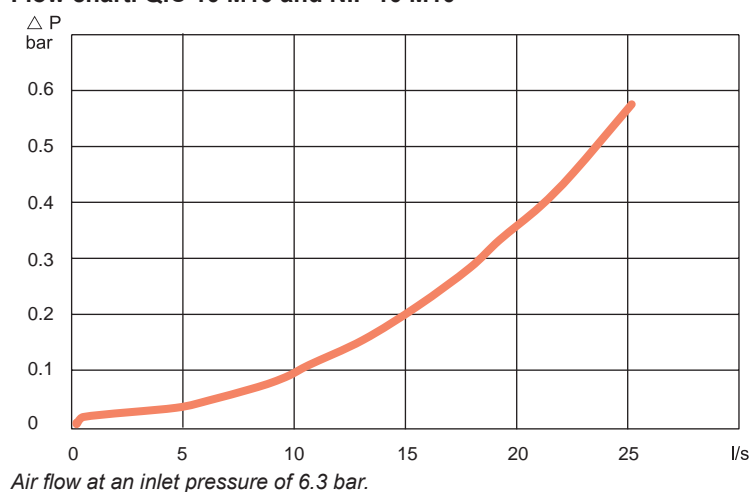
Nipple profile






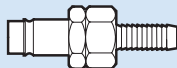

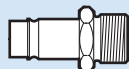

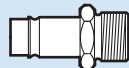
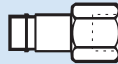
## Technical Data

Max flow capacity 24 l/s (0.5 bar  $\Delta P$ )  
 Economical air flow 15 l/s (0.2 bar  $\Delta P$ )  
 Max working pressure 16 bar  
 Temperature range -20°C to +80°C

Flow chart. QIC 10 M10 and NIP 10 M10



QIC 10 and NIP 10, 15 l/s (recommended air flow at 6.3 bar pressure)

Connection type	Coupling QIC 10	Ordering No.	Size		Connection type	Nipple NIP 10	Ordering No.	Size	
			mm	in				mm	in
<b>H – Hose</b> 	H06 H08 H10 H13	8202 1302 02 8202 1302 10 8202 1302 28 8202 1302 34	6.3 8 10 12.5	1/4 5/16 3/8 1/2	<b>H – Hose</b> 	H06 H08 H10 H13	8202 1202 11 8202 1202 94 8202 1202 29 8202 1202 34	6.3 8 10 12.5	1/4 5/16 3/8 1/2
<b>M – Male thread</b> 	M08 M10	8202 1302 36 8202 1302 44	1/4 3/8	BSP BSP	<b>SH – Safety Hose<sup>a</sup></b> 	SH06 SH08 SH10	8202 1203 10 8202 1203 36 8202 1203 28	6.3 8 10	1/4 5/16 3/8
<b>MT – Male taper thread</b> 	MT15	8202 1302 51	1/2	BSPT	<b>M – Male thread</b> 	M06 M08 M10	8202 1202 37 8202 1202 45 8202 1202 52	1/8 1/4 3/8	BSP BSP BSP
<b>F – Female</b> 	F08	8202 1302 69	1/4	BSP	<b>MT – Male taper thread</b> 	MT08 MT10 MT15	8202 1202 60 8202 1202 78 8202 1203 02	1/4 3/8 1/2	BSPT BSPT BSPT
					<b>F – Female</b> 	F08 F10	8202 1202 86 8202 1202 87	1/4 3/8	BSP BSP

<sup>a</sup> For hoses longer than 3 meters.



## Atlas Copco standard EU

### QIC 10S

QIC 10S safety coupling is suitable for assembly tools and drills. The QIC 10S is strong and durable and interchangeable with the QIC 10 coupling.

- High flow coupling.
- One-hand operation.
- Safety feature according to EN 983 / ISO 4414.
- Main market: Europe and Australia.



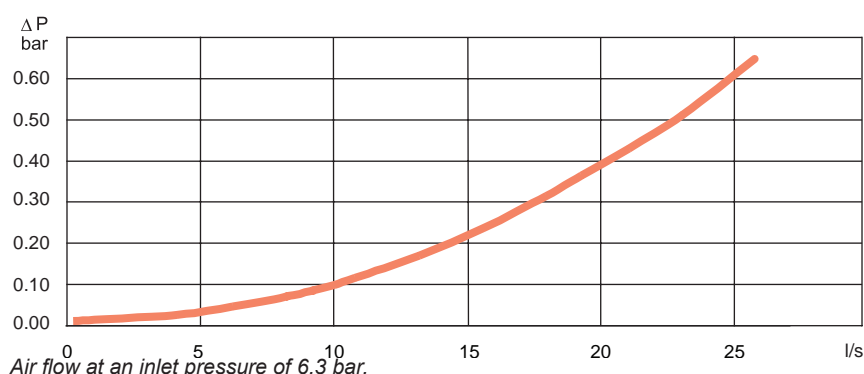
Nipple profile



## Technical Data

Max flow capacity 23 l/s (0.5 bar  $\Delta P$ )  
 Economical air flow 14 l/s (0.2 bar  $\Delta P$ )  
 Max working pressure 16 bar  
 Temperature range -20°C to +80°C

Flow chart. QIC 10S M10 and NIP 10 M10



QIC 10S and NIP 10, 14 l/s (recommended air flow at 6.3 bar pressure)

Connection type	Coupling QIC 10S	Ordering No.	Size		Connection type	Nipple NIP 10	Ordering No.	Size	
			mm	in				mm	in
<b>H – Hose</b> 	H06	8202 1302 08	6.3	1/4	<b>H – Hose</b> 	H06	8202 1202 11	6.3	1/4
	H08	8202 1302 18	8	5/16		H08	8202 1202 94	8	5/16
	H10	8202 1302 33	10	3/8		H10	8202 1202 29	10	3/8
	H13	8202 1302 39	12.5	1/2		H13	8202 1202 34	12.5	1/2
<b>M – Male thread</b> 	M08	8202 1302 43	1/4	BSP	<b>SH – Safety Hose<sup>a</sup></b> 	SH06	8202 1203 10	6.3	1/4
	M10	8202 1302 54	3/8	BSP		SH08	8202 1203 36	8	5/16
	M15	8202 1302 81	1/2	BSP		SH10	8202 1203 28	10	3/8
<b>MT – Male taper thread</b> 	MT15	8202 1302 58	1/2	BSPT	<b>M – Male thread</b> 	M06	8202 1202 37	1/8	BSP
						M08	8202 1202 45	1/4	BSP
<b>F – Female</b> 	F08	8202 1302 73	1/4	BSP		M10	8202 1202 52	3/8	BSP
	F10	8202 1302 74	3/8	BSP	<b>MT – Male taper thread</b> 	MT08	8202 1202 60	1/4	BSPT
						MT10	8202 1202 78	3/8	BSPT
						MT15	8202 1203 02	1/2	BSPT
					<b>F – Female</b> 	F08	8202 1202 86	1/4	BSP
						F10	8202 1202 87	3/8	BSP

<sup>a</sup> For hoses longer than 3 meters.

## Atlas Copco standard EU

### QIC 15

The QIC 15 quick coupling is suitable for assembly tools, grinders and drills. The QIC 15 can withstand extremely rough handling in tough applications.

- Extremely high flow.
- Strong and durable.
- One-hand operation.
- Main market: Europe.



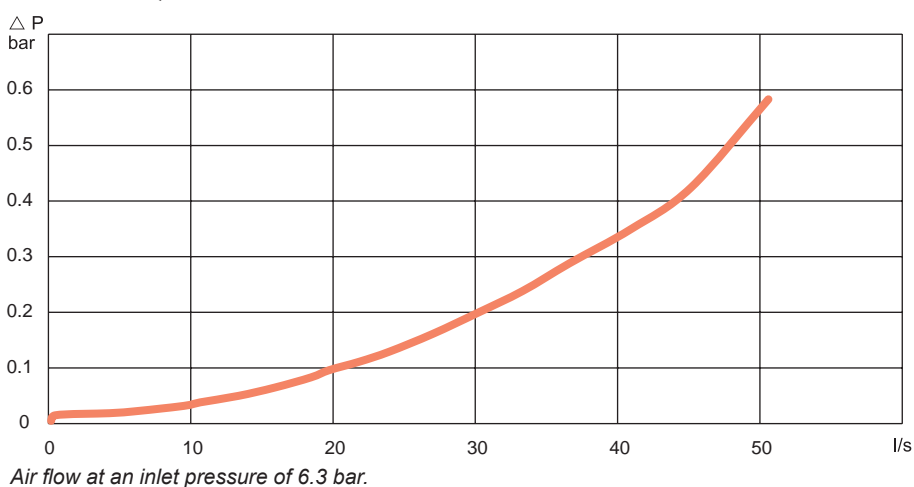
Nipple profile



## Technical Data

Max flow capacity 48 l/s (0.5 bar  $\Delta P$ )  
 Economical air flow 30 l/s (0.2 bar  $\Delta P$ )  
 Max working pressure 10 bar  
 Temperature range -20°C to +80°C

Flow chart. QIC 15 M15 and NIP 15 F15



### QIC 15 and NIP 15, 30 l/s (recommended air flow at 6.3 bar pressure)

Connection type	Coupling QIC 15	Ordering No.	Size		Connection type	Nipple NIP 15	Ordering No.	Size	
			mm	in				mm	in
<b>H – Hose</b> 	H10	8202 1304 00	10	3/8	<b>H – Hose</b> 	H06	8202 1251 03	6.3	1/4
	H13	8202 1304 18	12.5	1/2		H08	8202 1252 28	8	5/16
	H16	8202 1304 26	16	5/8		H10	8202 1251 11	10	3/8
						H13	8202 1251 29	12.5	1/2
<b>M – Male thread</b> 	M08	8202 1304 34	1/4 BSP		<b>SH – Safety Hose<sup>a</sup></b> 	SH10	8202 1203 44	10	3/8
	M10	8202 1304 42	3/8 BSP			SH13	8202 1203 51	12.5	1/2
	M15	8202 1304 59	1/2 BSP			SH16	8202 1203 69	16	5/8
<b>F – Female thread</b> 	F15	8202 1304 67	1/2 BSP		<b>M – Male thread</b> 	M10	8202 1251 45	3/8 BSP	
						M15	8202 1251 52	1/2 BSP	
					<b>MT – Male taper thread</b> 	MT08	8202 1251 60	1/4 BSPT	
						MT10	8202 1251 78	3/8 BSPT	
						MT15	8202 1251 86	1/2 BSPT	
					<b>F – Female thread</b> 	F08	8202 1251 94	1/4 BSP	
						F10	8202 1252 02	3/8 BSP	
						F15	8202 1252 10	1/2 BSP	

<sup>a</sup> For hoses longer than 3 meters.

## Atlas Copco standard EU

### QIC 15S

The QIC 15S safety coupling is suitable for assembly tools, grinders and drills. The QIC 15S is easy to handle, strong and durable.

- Exceptionally high flow.
- One-hand operation.
- Safety feature according to EN 983 / ISO 4414.
- Main market: Europe.



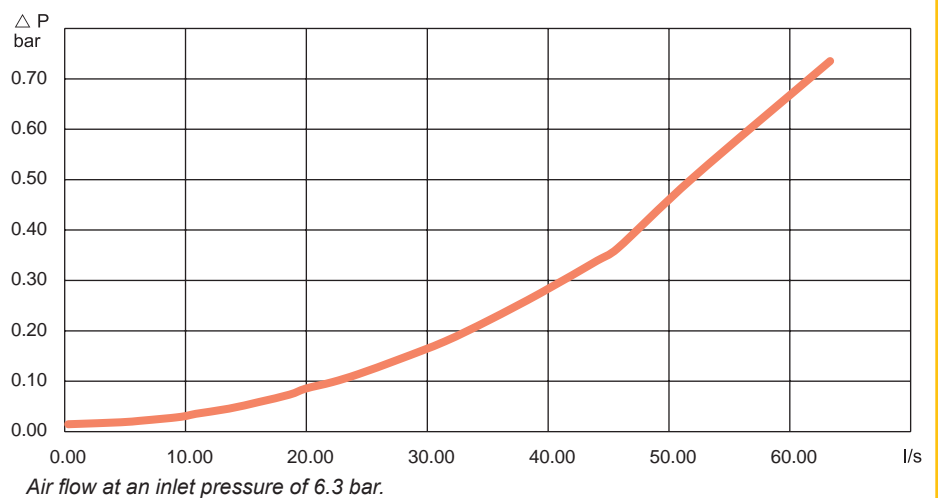
Nipple profile






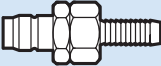
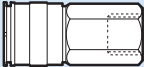



## Technical Data

Max flow capacity 52 l/s (0.5 bar  $\Delta P$ )  
 Economical air flow 33 l/s (0.2 bar  $\Delta P$ )  
 Max working pressure 10 bar  
 Temperature range -20°C to +80°C

Flow chart. QIC 15S M15 and NIP 15 F15



QIC 15S and NIP 15, 33 l/s (recommended air flow at 6.3 bar pressure)

Connection type	Coupling QIC 15S	Ordering No.	Size		Connection type	Nipple NIP 15	Ordering No.	Size	
			mm	in				mm	in
<b>H – Hose</b> 	H10	8202 1304 08	10	3/8	<b>H – Hose</b> 	H06	8202 1251 03	6.3	1/4
	H13	8202 1304 23	12.5	1/2		H08	8202 1252 28	8	5/16
	H16	8202 1304 33	16	5/8		H10	8202 1251 11	10	3/8
						H13	8202 1251 29	12.5	1/2
				H16		8202 1251 37	16	5/8	
<b>M – Male thread</b> 	M08	8202 1304 38	1/4 BSP	<b>SH – Safety Hose<sup>a</sup></b> 	SH10	8202 1203 44	10	3/8	
	M10	8202 1304 48	3/8 BSP		SH13	8202 1203 51	12.5	1/2	
	M15	8202 1304 73	1/2 BSP		SH16	8202 1203 69	16	5/8	
<b>F – Female thread</b> 	F15	8202 1304 74	1/2 BSP	<b>M – Male thread</b> 	M10	8202 1251 45	3/8 BSP		
					M15	8202 1251 52	1/2 BSP		
				<b>MT – Male taper thread</b> 	MT08	8202 1251 60	1/4 BSPT		
					MT10	8202 1251 78	3/8 BSPT		
					MT15	8202 1251 86	1/2 BSPT		
				<b>F – Female thread</b> 	F08	8202 1251 94	1/4 BSP		
					F10	8202 1252 02	3/8 BSP		
					F15	8202 1252 10	1/2 BSP		

<sup>a</sup> For hoses longer than 3 meters.

## ASIA standard

### ErgoQIC 10 ASIA

The ErgoQIC 10 ASIA is a full flow coupling with no air restriction inside the coupling. It is suitable for assembly tools, drills and grinders. Upgrading any air system with ErgoQIC 10 ASIA will give the benefits of productivity and energy efficiency.

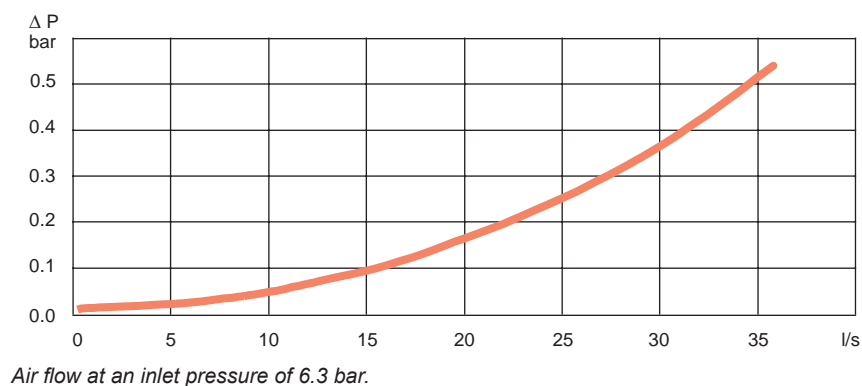
- Extreme full flow coupling.
- Strong and durable.
- Minimized connection force.
- Safety feature according to EN 983 / ISO 4414.
- Main market: Asia, Italy.



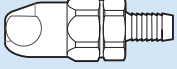
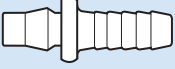

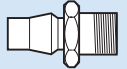
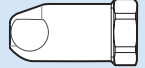
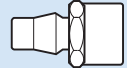
## Technical Data

Max flow capacity 35 l/s (0.5 bar  $\Delta P$ )  
 Economical air flow 22 l/s (0.2 bar  $\Delta P$ )  
 Max working pressure 16 bar  
 Temperature range -10°C to +70°C

Flow chart. ErgoQIC 10 ASIA and NIP 10 ASIA



ErgoQIC 10 ASIA and NIP 10 ASIA, 22 l/s (recommended air flow at 6.3 bar pressure)

Connection type	Coupling		Size		Connection type	Nipple		Size	
	ErgoQIC 10 ASIA	Ordering No.	mm	in		NIP 10 ASIA	Ordering No.	mm	in
<b>H – Hose</b> 	H06	8202 1104 00	6.3	1/4	<b>H – Hose</b> 	H06	8202 1202 15	6.3	1/4
	H08	8202 1104 01	8	5/16		H08	8202 1202 16	8	5/16
	H10	8202 1104 02	10	3/8		H10	8202 1202 17	10	3/8
	H13	8202 1104 03	12.5	1/2		H13	8202 1202 18	12.5	1/2
<b>MT – Male taper thread</b> 	MT08	8202 1104 05	1/4 BSPT		<b>MT – Male taper thread</b> 	MT06	8202 1202 19	1/8 BSPT	
	MT10	8202 1104 06	3/8 BSPT			MT08	8202 1202 20	1/4 BSPT	
	MT15	8202 1104 07	1/2 BSPT			MT10	8202 1202 21	3/8 BSPT	
<b>FT – Female taper thread</b> 	FT08	8202 1104 09	1/4 BSPT		<b>FT – Female taper thread</b> 	FT08	8202 1202 23	1/4 BSPT	
	FT10	8202 1104 10	3/8 BSPT			FT10	8202 1202 24	3/8 BSPT	
	FT15	8202 1104 11	1/2 BSPT			FT15	8202 1202 25	1/2 BSPT	

## ASIA standard

### QIC 10 ASIA

The QIC 10 ASIA quick coupling is suitable for assembly tools, drills and small grinders. The QIC 10 ASIA has a wide range of connections available and it is interchangeable with asia standard nipples.

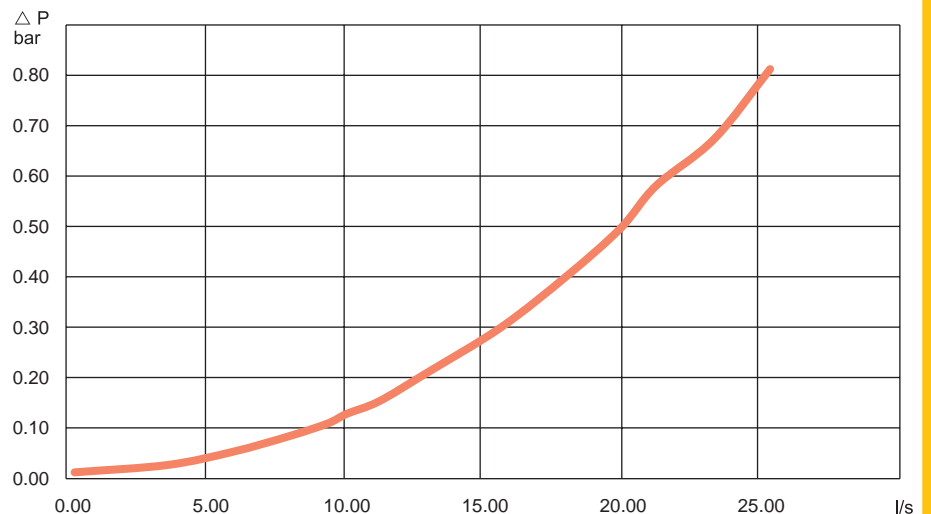
- High flow.
- One-hand operation.
- Strong and durable.
- Main market: Asia.



## Technical Data

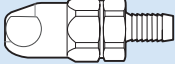


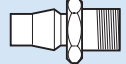
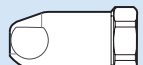
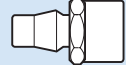
Max flow capacity 20 l/s (0.5 bar  $\Delta P$ )  
 Economical air flow 13 l/s (0.2 bar  $\Delta P$ )  
 Max working pressure 10 bar  
 Temperature range -20°C to +80°C

Flow chart. QIC 10 ASIA and NIP 10 ASIA



Air flow at an inlet pressure of 6.3 bar.

QIC 10 ASIA and NIP 10 ASIA, 13 l/s (recommended air flow at 6.3 bar pressure)

Connection type	Coupling QIC 10 ASIA	Ordering No.	Size		Connection type	Nipple NIP 10 ASIA	Ordering No.	Size	
			mm	in				mm	in
	H – Hose					H – Hose			
	H06	8202 1302 85	6.3	1/4		H06	8202 1202 15	6.3	1/4
	H08	8202 1302 86	8	5/16		H08	8202 1202 16	8	5/16
	H10	8202 1302 87	10	3/8		H10	8202 1202 17	10	3/8
	H13	8202 1302 88	12.5	1/2		H13	8202 1202 18	12.5	1/2
	MT – Male taper thread					MT – Male taper thread			
	MT08	8202 1302 89	1/4	BSPT		MT06	8202 1202 19	1/8	BSPT
	MT10	8202 1302 90	3/8	BSPT		MT08	8202 1202 20	1/4	BSPT
	MT15	8202 1302 91	1/2	BSPT		MT10	8202 1202 21	3/8	BSPT
						MT15	8202 1202 22	1/2	BSPT
	FT – Female taper thread					FT – Female taper thread			
	FT08	8202 1302 92	1/4	BSPT		FT08	8202 1202 23	1/4	BSPT
	FT10	8202 1302 93	3/8	BSPT		FT10	8202 1202 24	3/8	BSPT
	FT15	8202 1302 94	1/2	BSPT		FT15	8202 1202 25	1/2	BSPT



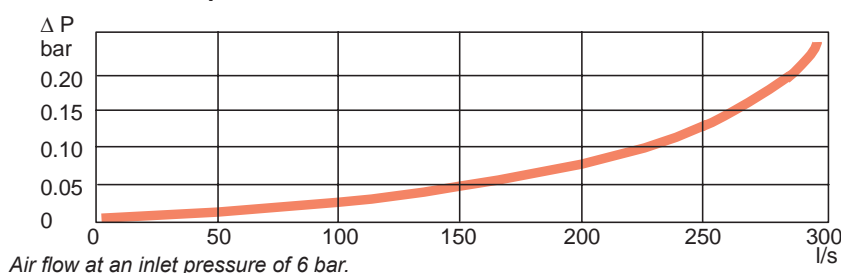
CLAW couplings are made from drop-forged, hardened steel which can withstand rough treatment and ensures a long life even under difficult conditions. The coupling head is the same for all sizes, which can therefore be freely combined.

The recommended maximum working pressure is 10 bar.

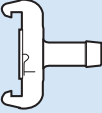
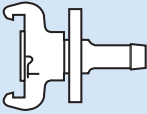
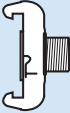
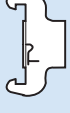


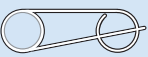
- Large bore – machined surfaces give low air resistance and minimum pressure drop.
- Robust claws – will withstand rough handling without deformation.
- Locking lugs – precision-made to provide a reliable lock.
- Special rubber packings – resistant to oil and temperature changes. Max. temperature 80°C (176°F).
- Packing seats – lathe-turned grooves ensure a leak-proof seal.
- Couplings are zinc-plated and thus effectively treated against corrosion.



Flow chart. For 2 pieces of CLAW



## CLAW

Connection type	Coupling CLAW	Ordering No.	Size		Bore B, mm
			mm	in	
<b>H</b> – Hose 	H06	9000 0308 00	6.3	1/4	5.0
	H10	9000 0309 00	10	3/8	8.0
	H13	9000 0310 00	12.5	1/2	10.5
	H16	9000 0311 00	16	5/8	13.5
	H20	9000 0312 00	19	3/4	17.0
	H25	9000 0313 00	25	1	22.0
<b>LNH</b> – Lock nut, Hose 	LNH10	9000 0260 00	10	3/8	8.0
	LNH13	9000 0261 00	12.5	1/2	10.5
	LNH16	9000 0262 00	16	5/8	13.5
	LNH20	9000 0263 00	19	3/4	17.2
	LNH25	9000 0264 00	25	1	22.0
<b>M</b> – Male thread 	M10	9000 0300 00		3/8 BSP	11.2
	M15	9000 0301 00		1/2 BSP	14.8
	M20	9000 0302 00		3/4 BSP	19.0
	M25	9000 0303 00		1 BSP	25.5
<b>F</b> – Female thread 	F10	9000 0304 00		3/8 BSP	15.0
	F15	9000 0305 00		1/2 BSP	18.6
	F20	9000 0306 00		3/4 BSP	24.0
	F25	9000 0307 00		1 BSP	25.0
Protection cover for CLAW couplings 		9000 0314 00			
Extra packing for CLAW couplings 	For type H, M and F	9000 0000 00 (+80°C), 9000 0000 01 (+200°C) <sup>a</sup>			
	For LNH10, -13 and -16	9000 0015 00			
	For LNH20 and -25	9000 0268 00 (+80°C), 9000 0319 00 (+200°C) <sup>a</sup>			
Safety lock spring 		3176 8640 90	25 pieces		

<sup>a</sup> Viton-green.

**BAL and BAL-1A**

The Atlas Copco valves BAL and BAL-1A are both suitable for air, water and many other liquids and gases due to the choice of material.

- Silicone-free grease – Both are lubricated with silicone-free grease which is important when spray-painting.
- Maximum through flow – Full bore valve to DIN standards.
- Housing and ball made of chrome-plated hot-stamped brass MS 58.
- Handle of enamelled aluminum.

**BAL – with nitrile rubber seals**

BAL valves can be used in all settings between fully open and fully closed.

The balls and the seals can be replaced without the body being removed from the piping.

**BAL-1A – with teflon seals**

Intended for operating either fully open or fully closed.

## Technical data

**BAL**

Maximum working pressure: 16 bar.

Working temperature range: -20°C to +90°C.

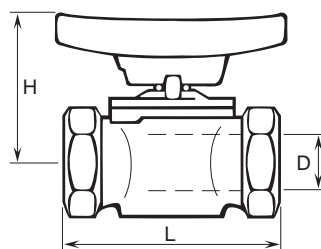
**BAL-1A**

Maximum working pressure: 16 bar (BAL-1A 40 and 50: max. 16 bar up to +100°C).

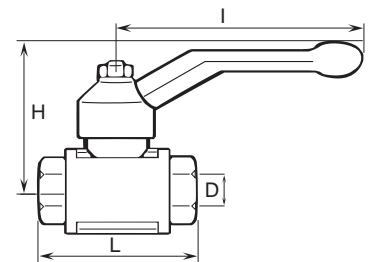
Working temperature range: -30°C to +200°C. (BAL-1A 40 and 50: at +200°C max. working pressure is reduced to 8 bar).

Model	Connection thread in BSP	Bore D mm	L mm	H mm	I mm	Ordering No.
BAL 08	1/4	9.5	50	41	-	8202 0301 05
BAL 10	3/8	9.5	50	41	-	8202 0302 04
BAL 15	1/2	12.5	60	43	-	8202 0303 03
BAL 20	3/4	19	75	55	-	8202 0304 02
BAL 25	1	24.5	90	64	-	8202 0305 01
BAL-1A 08	1/4	8	43	44	73	8202 0306 03
BAL-1A 10	3/8	10	50	47	73	8202 0306 11
BAL-1A 15	1/2	15	61	53	94	8202 0306 29
BAL-1A 20	3/4	20	70	57	94	8202 0306 37
BAL-1A 25	1	25	83	67.5	122	8202 0306 45
BAL-1A 32	1 1/4	32	100	83	150	8202 0306 52
BAL-1A 40	1 1/2	38	107	87	150	8202 0306 60
BAL-1A 50	2	50	129	103	193	8202 0306 78

## Dimensions



Double connection



BAL

## MultiFlex Swivel Multi-directional connector

The MultiFlex swivel is an ingenious multi-directional connector. Connect your tool and the hose will stay in the ideal position however much you and the tool move around. The MultiFlex bends and rotates 360° in all directions while the hose stays straight. It takes the effort out of working in those cramped spaces. What's more, the hose feels almost weightless and it reduces hose wear. It's the magic of MultiFlex – a marriage of ergonomic thinking and ingenious design.

- Ergonomic.
- Reduces hose wear.
- High flow capacity.
- Minimum pressure drop.
- Strong and durable.
- Cover made of EPDM.



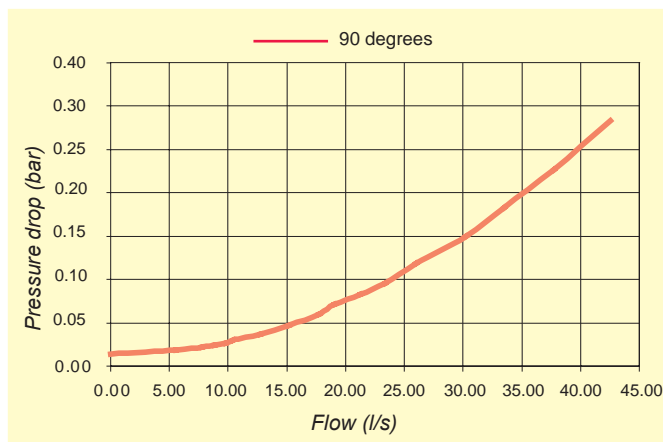
Model	Max rec. air flow <sup>a</sup>		Thread		Weight g	Length mm	Dia mm	Ordering No.
			Inlet female in	Outlet male in				
MultiFlex 1/8" BSP	12	25	1/8	1/8	73	66.2	24	8202 1350 18
MultiFlex 1/4" BSP	12	25	1/4	1/4	73	66.2	24	8202 1350 20
MultiFlex 3/8" BSP	32	68	3/8	3/8	130	80.6	29.5	8202 1350 22
MultiFlex 1/2" BSP	32	68	1/2	1/2	125	80.6	29.5	8202 1350 24
MultiFlex 1/8" BSP <sup>b</sup>	12	25	1/8	1/8	76	66.2	27	8202 1350 40
MultiFlex 1/4" BSP <sup>b</sup>	12	25	1/4	1/4	76	66.2	27	8202 1350 41
MultiFlex 1/2" BSP <sup>c</sup>	54	114	1/2	1/2	326	98.3	39	8202 1350 60

<sup>a</sup> The pressure drop will be 0.2 bar at an inlet pressure of 6 bar.

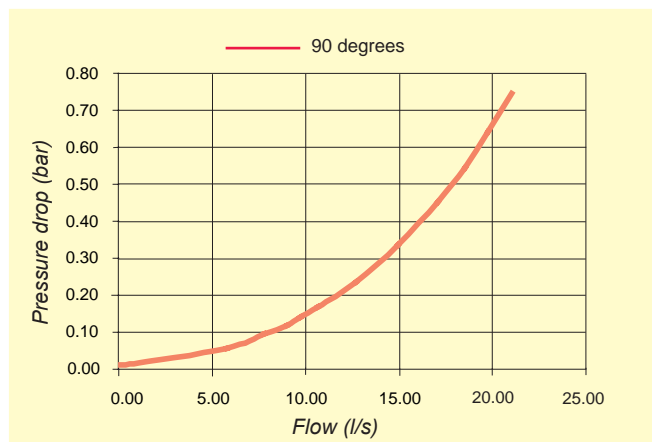
<sup>b</sup> With cover.  
<sup>c</sup> HIGH FLOW.

## Flow chart

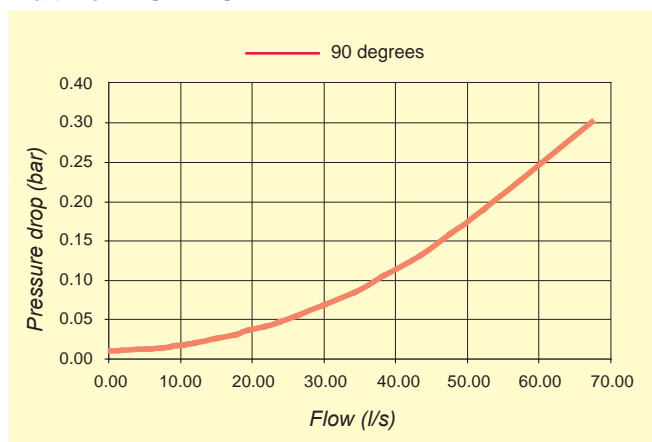
### MultiFlex 1/2" or 3/8"



### MultiFlex 1/8" or 1/4"



### MultiFlex HIGH FLOW



## Simple pressure clamps for PVC HOSES



For CABLAIR	For PVC	One-lugged steel clamp mm	Ordering No.
—	—	5.2- 6.2	0347 0122 18
—	—	5.9- 7.0	0347 0122 19
—	03	7.0- 8.5	0347 0122 05
06	05	8.5-10.0	0347 0122 06
08	06	9.8-11.8	0347 0122 07
—	08	11.3-13.3	0347 0122 08
10	—	12.8-14.8	0347 0122 09
—	10	14.6-16.8	0347 0122 10
13	—	16.5-18.8	0347 0122 11
—	13	18.0-20.3	0347 0122 12
16	—	20.2-22.8	0347 0122 13
—	—	22.0-24.8	0347 0122 14
20	—	23.3-26.3	0347 0122 15
—	—	26.5-30.0	0347 0122 16
25	—	29.9-33.1	0347 0122 22

## Hose connection

Male thread – hose nipple



Thread in	Hose size		Ordering No.
	mm	in	
1/8 BSP	3.2	1/8	9000 0523 00
1/8 BSPT	5	3/16	4010 0031 00
1/8 BSPT	6.3	1/4	9000 0240 00
1/4 BSP	3.2	1/8	9000 0524 00
1/4 BSPT	6.3	1/4	9000 0241 00
1/4 BSPT	8	5/16	9090 1715 00
1/4 BSPT	10	3/8	9000 0247 00
3/8 BSPT	10	3/8	9000 0242 00
3/8 BSPT	12.5	1/2	9000 0248 00
1/2 BSPT	12.5	1/2	9000 0243 00
1/2 BSPT	16	5/8	9000 0244 00
1/2 BSPT	20	3/4	4150 0429 00
3/4 BSPT	20	3/4	9000 0245 00
1 BSP	25	1	9000 0246 00

## Medium pressure clamps for PVC HOSES



For CABLAIR	For PVC, POLUR	Medium clamp worm drive mm	Ordering No.
—	—	8.0-14.0	0347 6102 00
—	08	11.0-17.0	0347 6103 00
—	10	11.0-17.0	0347 6103 00
—	—	13.0-20.0	0347 6104 00
16	13	15.0-24.0	0347 6105 00
20	16	19.0-28.0	0347 6106 00
—	20	22.0-32.0	0347 6107 00
25	25	26.0-38.0	0347 6109 00
—	—	32.0-44.0	0347 6111 00
—	—	38.0-50.0	0347 6112 00
—	—	50.0-65.0	0347 6113 00

## Gaskets



For couplings with male parallel thread	Fiber gasket between material and nipple Ordering No.
M5	0657 5710 00
1/8 BSP	0657 5742 00
1/4 BSP	0657 5764 00
3/8 BSP	0657 5785 00
1/2 BSP	0653 0500 01
3/4 BSP	0657 5823 00
1 BSP	0657 5830 00

## Medium pressure clamps for RUBBER HOSES



For TURBO	For RUBAIR	Medium clamp worm drive mm	Ordering No.
—	06	11.0-17.0	0347 6103 00
13	10	13.0-20.0	0347 6104 00
16	13	15.0-24.0	0347 6105 00
—	16	19.0-28.0	0347 6106 00
20	—	22.0-32.0	0347 6107 00
—	20	26.0-38.0	0347 6109 00

## Reducing nipple in brass



Female thread in	Male thread in	Ordering No.
1/4 BSP	1/8 BSP	9721 4000 94
3/8 BSP	1/4 BSP	9721 4000 92
1/2 BSP	3/8 BSP	9721 4000 93

## Heavy-duty pressure clamps for RUBBER HOSES



For TURBO	For RUBAIR	Heavy-duty clamp mm	Ordering No.
—	—	22.0-25.0	9000 0194 00
20	16	25.0-28.0	9000 0195 00
—	20	29.0-32.0	9000 0196 00
—	25	34.0-38.0	9000 0197 00

## Swivels



Air inlet	Air outlet Male BSP	Max Swivel bend from centre line	Ordering No.
5/16" hose	1/4	30°	4210 3134 80

Recommended flow max 10 l/s

# Fittings

## Bushing

Male thread – female thread



Male thread in	Female thread in	Ordering No.
1/4 BSP	1/8 BSP	9090 0799 00
3/8 BSP	1/4 BSP	9090 0798 00
1/2 BSP	1/4 BSP	9090 1469 00
1/2 BSP	3/8 BSP	9090 0797 00
3/4 BSP	1/2 BSP	9090 0796 00
1 BSPT	3/4 BSP	9090 0795 00

## Double connection

Male taper thread – male taper thread



From thread in	To thread in	Ordering No.
1/8 BSPT	1/8 BSPT	9090 0100 00
1/8 BSPT	1/4 BSPT	9090 0110 00
1/4 BSPT	1/4 BSPT	9090 0120 00
1/4 BSPT	3/8 BSPT	9090 0130 00
3/8 BSPT	3/8 BSPT	9090 0140 00
3/8 BSPT	1/2 BSPT	9090 0150 00
1/2 BSPT	1/2 BSPT	9090 0160 00
1/2 BSPT	3/4 BSPT	9090 0170 00
3/4 BSPT	3/4 BSPT	9090 0180 00
3/4 BSPT	1 BSPT	9090 0190 00
1 BSPT	1 BSPT	9090 0200 00

## Double adjustable connection

Male thread – male thread



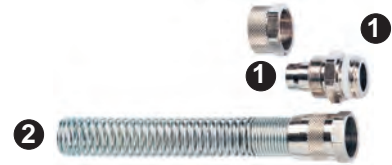
From thread in	To thread in	Ordering No.
1/2 BSP	1/2 BSP	9090 0806 00

## Sealing rings for double adjustable connection



For coupling with male thread in	Spare rubber sealing ring for adjustable connections Ordering No.
1/2 BSP	9090 0884 00
1 BSP	9090 0886 00

## Hose connection with clamp nut and spring guard



### 1 Clamp nut, brass

Hose diameter Outside/Inside mm	Male thread in	Ordering No.
10/8 <sup>a</sup>	1/4 BSP	9721 4002 89
10/8 <sup>a</sup>	3/8 BSP	9721 4002 90
12/9	1/4 BSP	9721 4000 86
12/10 <sup>b</sup>	3/8 BSP	9721 4000 88
15/12.5 <sup>c</sup>	1/2 BSP	9721 4000 89

Male threaded hose nipple with clamp nut should be used with female threaded quick couplings.

### 2 Spring guard in steel

Hose diameter Outside/Inside mm	Ordering No.
10/8 <sup>a</sup>	9721 4002 88
12/10 <sup>b</sup>	9721 4000 91
15/12 <sup>c</sup>	9721 4002 85

The spring guard should be used with the clamp nut above.

<sup>a</sup>CABLAIR 08

<sup>b</sup>CABLAIR 10

<sup>c</sup>CABLAIR 13

## Manifolds

3/8 inlet on each side, 1/4 outlets for couplings



Thread		Number of outlets	Ordering No.
Inlet in	Outlet in		
3/8 BSP	1/4 BSP	4	9090 0201 00
3/8 BSP	1/4 BSP	5	9090 0201 01
3/8 BSP	1/4 BSP	6	9090 0201 02

## Manifolds

3/8 inlet on each side, 1/4 outlet on both sides for couplings



Thread		Number of outlets	Ordering No.
Inlet in	Outlet in		
3/8 BSP	1/4 BSP	4	9090 0201 10
3/8 BSP	1/4 BSP	6	9090 0201 11
3/8 BSP	1/4 BSP	8	9090 0201 12
3/8 BSP	1/4 BSP	10	9090 0201 13



**Y-connections**  
2 female outlets and 1 male inlet

Model	Female thread in	Male thread in	Ordering No.
F/F/M08	1/4 BSP	1/4 BSP	9090 0201 86
F/F/M10	3/8 BSP	3/8 BSP	9090 0201 87
F/F/M15	1/2 BSP	1/2 BSP	9090 0201 85



**Pipe tee**

Model	Female threads in	Ordering No.
F08	1/4 BSP	9090 0201 51
F10	3/8 BSP	9090 0201 53
F15	1/2 BSP	9090 0201 50
F20	3/4 BSP	9090 0201 52
F25	1 BSP	9090 0201 54



**Pipe cross**

Model	Female thread in	Ordering No.
F08	1/4 BSP	9090 0201 21
F10	3/8 BSP	9090 0201 22
F15	1/2 BSP	9090 0201 20



**Branch tee**  
2 female outlets and 1 male inlet

Model	Female thread in	Male thread in	Ordering No.
2xF08 1xM08	1/4 BSP	1/4 BSP	9090 0201 61
2xF10 1xM10	3/8 BSP	3/8 BSP	9090 0201 63
2xF15 1xM15	1/2 BSP	1/2 BSP	9090 0201 60
2xF20 1xM20	3/4 BSP	3/4 BSP	9090 0201 62
2xF25 1xM25	1 BSP	1 BSP	9090 0201 64



**Cross**  
3 female threads and 1 male thread

Model	Female thread in	Male thread in	Ordering No.
3xF08 1xM08	1/4 BSP	1/4 BSP	9090 0201 31
3xF10 1xM10	3/8 BSP	3/8 BSP	9090 0201 32
3xF15 1xM15	1/2 BSP	1/2 BSP	9090 0201 30



**Run tee**  
2 female outlets and 1 male inlet

Model	Female thread in	Male thread in	Ordering No.
F08/M08/F08	1/4 BSP	1/4 BSP	9090 0201 71
F10/M10/F10	3/8 BSP	3/8 BSP	9090 0201 72
F15/M15/F15	1/2 BSP	1/2 BSP	9090 0201 70



**Pipe elbow**

Model	Female thread in	Ordering No.
F08	1/4 BSP	9090 0201 40
F10	3/8 BSP	9090 0201 43
F15	1/2 BSP	9090 0201 41
F20	3/4 BSP	9090 0201 42
F25	1 BSP	9090 0201 44



**Hex head plug**

Model	Male thread in	Ordering No.
M08	1/4 BSP	9090 0201 81
M10	3/8 BSP	9090 0201 84
M15	1/2 BSP	9090 0201 80
M20	3/4 BSP	9090 0201 83
M25	1 BSP	9090 0201 82

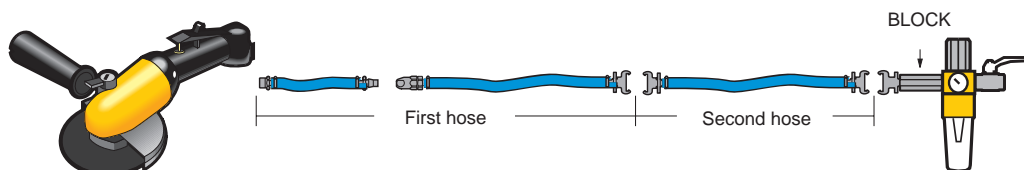
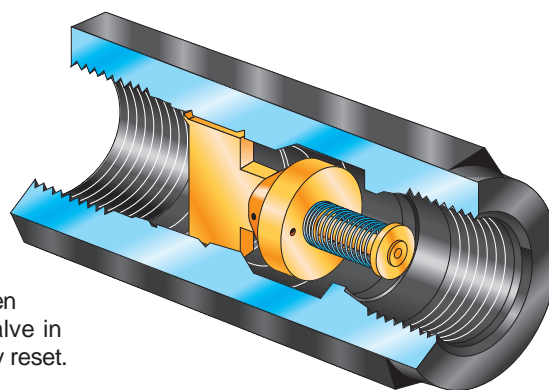


When a fitting comes loose from a pressurized hose, the hose starts blowing compressed air in an uncontrolled way. The blow protector shuts off the airflow, thus minimizing the risk of injuries to personnel and damage to the workpiece or the surroundings.

The selection parameters are the air pressure and the air flow. For proper function the air pressure should be set at 7 bar in order to reach 6 bar at the air tool. The air flow is determined by the air consumption of the tool and the hose length.

When working with impact wrenches and pulse tools care must be taken in the choice of blow protector. The value of air flow under full load must be increased by 50% when selecting a blow protector for impact wrenches and pulse tools as there will otherwise be a risk of shut-off when free running.

BLOCK has automatic reset. When the air is switched on again the valve in BLOCK opens and is automatically reset.

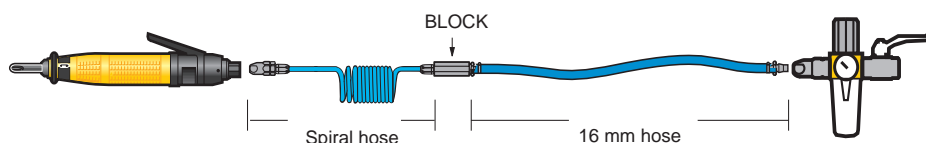


## Selection table using standard hoses

The air flow, hose length and hose sizes must all be within the recommended range in order to choose the correct blow protector. The second hose is only used when hoses longer than 20 m are used. The second hose will always be 20 m and the first hose will be cut to the right length.

Max working pressure = 16 bar.

Air flow air tool l/s	First hose		Second hose		Shut off air flow l/s	Product	Female thread BSP in	Ordering No.
	length m	size mm	length m	size mm				
0- 5	1- 5	6.3	0	—	7.8	BLOCK 08L	1/4	8202 0100 50
0- 5	6-10	8	0	—	13	BLOCK 08H	1/4	8202 0100 52
0- 8	1- 5	8	0	—	13	BLOCK 08H	1/4	8202 0100 52
0- 8	6-10	10	0	—	13	BLOCK 08H	1/4	8202 0100 52
0-10	1-10	10	0	—	13	BLOCK 08H	1/4	8202 0100 52
0-10	11-20	12.5	0	—	13	BLOCK 08H	1/4	8202 0100 52
0-14	1- 5	10	0	—	18	BLOCK 10L	3/8	8202 0100 54
0-14	6-10	13	0	—	18	BLOCK 10L	3/8	8202 0100 54
0-15	11-20	16	0	—	32	BLOCK 10H	3/8	8202 0100 56
0-25	1- 5	12.5	0	—	32	BLOCK 10H	3/8	8202 0100 56
0-25	6-10	16	0	—	32	BLOCK 10H	3/8	8202 0100 56
0-35	1- 5	12.5	0	—	45	BLOCK 15H	1/2	8202 0100 58
0-35	6-10	16	0	—	45	BLOCK 15H	1/2	8202 0100 58
0-35	11-20	19	0	—	45	BLOCK 15H	1/2	8202 0100 58
0-60	1-10	19	0	—	75	BLOCK 20H	3/4	8202 0100 60
0-60	1-10	19	20	25	75	BLOCK 20H	3/4	8202 0100 60
0-70	1- 7	19	0	25	86	BLOCK 25H	1	8202 0100 62
0-70	8-20	25	0	25	86	BLOCK 25H	1	8202 0100 62
0-70	1-20	25	20	25	86	BLOCK 25H	1	8202 0100 62



## Selection table when using spiral hoses and hose balancers

The airflow, spiral hose and hose balancer must all be within recommended range in order to choose the correct BLOCK blow protector.

The second hose, only used when needed, is a 16 mm normal hose with a maximum length of 5 meter. The second hose should be placed between the BLOCK and the FRI unit.

Air flow air tool l/s	Model	Spiral hose or balancer		Shut off air flow l/s	Product	Female thread BSP in	Ordering No.
		Hose length m	Hose size mm				
0- 4	SPI 06-3	2.5	6	8.3	BLOCK 08L	1/4	8202 0100 50
0- 6	HRIL 3	1.4	—	8.3	BLOCK 08L	1/4	8202 0100 50
0- 6	SPI 1S	2.0	6	8.3	BLOCK 08L	1/4	8202 0100 50
0- 6	SPI 2L	6.0	8	8.3	BLOCK 08L	1/4	8202 0100 50
0- 8	HRIL 4	1.1	—	14	BLOCK 08H	1/4	8202 0100 52
0- 8	SPI 09-3	2.5	9	14	BLOCK 08H	1/4	8202 0100 52
0- 8	SPI 2M	4.0	8	14	BLOCK 08H	1/4	8202 0100 52
0-11	SPI 2S	3.0	8	14	BLOCK 08H	1/4	8202 0100 52
0-11	SPI 2L	6.0	11	14	BLOCK 08H	1/4	8202 0100 52
0-15	SPI 3M	4.0	11	19	BLOCK 10L	3/8	8202 0100 54
0-20	SPI 3S	3.0	11	32	BLOCK 10H	3/8	8202 0100 56

## Pressure drop diagram for straight hoses

*This diagram helps you to choose the right hose according to the air consumption of the tool and the length of the hose. The purpose of the diagram is to ensure that the pressure drop in the hoses does not exceed 0.2 bar.*

### How to read the diagram:

Look up the tools required air consumption at 6 bar.

Use this value in the diagram .

What length of hose do you need?

Look at the diagram to see which hose size you need.

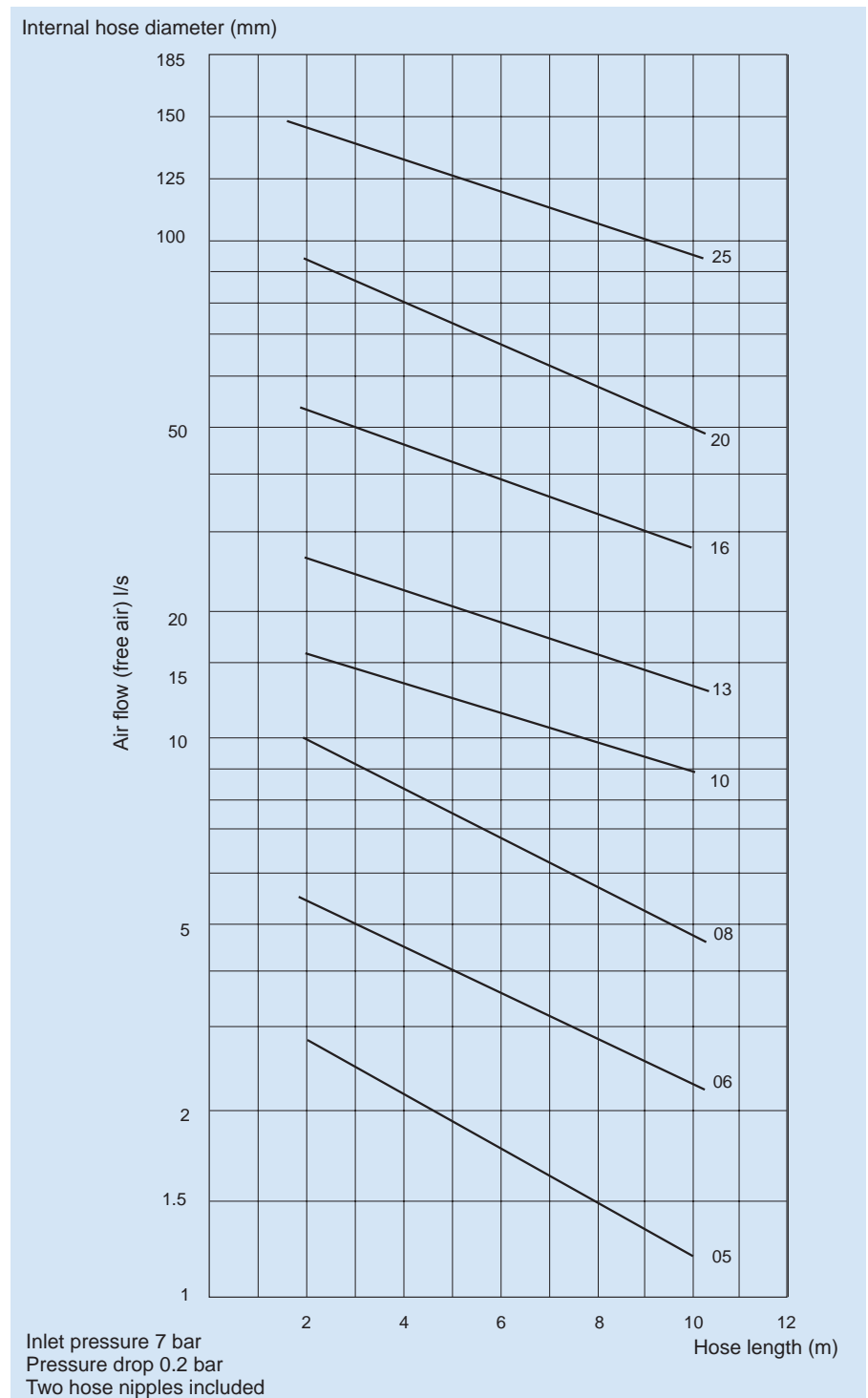
Decide which type of hose you need, Atlas Copco Tools has seven different hoses covering all types of needs for pneumatic hand tools.

### Example

The tool has an air consumption of 10 l/s and the application requires a hose length of 7 m. These two values have a cross point slightly under the 10 mm size hose (7 m of 10 mm hose gives a value of approximately 11 l/s).

Therefore a 10 mm hose will be suitable.

Pressure drop diagram for hoses



## CABLAIR hoses

### Super-light flexible PVC-hose

Cablair is made of high-strength, high performance PVC compound. The Cablair hose weighs 30-50% less and is much softer and more flexible than conventional PVC hoses. This ensures complete freedom of movement for operators of pneumatic hand tools in any working environment.

- Low weight.
- Extremely soft and flexible.
- Silicone free.
- Ergonomic.
- Working temperature -25°C to +60°C.



Model	Hose inside dia		Hose outside dia		Max working pressure <sup>a</sup> bar	Max rec. air flow <sup>b</sup> l/s	Weight per 30 m coil kg	Ordering No.
	mm	in	mm	in				
CABLAIR 06	6.3	1/4	9		18	4	1.2	9093 0035 11
CABLAIR 08	8	5/16	10.5		18	7.5	1.7	9093 0035 41
CABLAIR 10	10	3/8	13		14	13	2.1	9093 0035 71
CABLAIR 13	12.5	1/2	16.5		13	21	3.0	9093 0036 01
CABLAIR 16	16	5/8	21		11	43	5.4	9093 0036 31
CABLAIR 20	19	3/4	24		11	75	5.8	9093 0036 61
CABLAIR 25	25	1	31		10	125	10.4	9093 0036 91

<sup>a</sup> With a safety factor of 3 at 20°C (at the max temp of +60°C the working pressure should be reduced by 50%).

<sup>b</sup> The pressure drop will be 0.2 bar on a hose length of 5 m.

## CABLAIR ESD

### Extra flexible antistatic air hose

Cablair ESD is designed specifically for use within the computer manufacturing industry. The hose possesses properties which enable ESDS (electrostatic sensitive devices) to be handled in a protected area with a low risk level, as a result of electrostatic discharge. In addition to a known demand in the computer industry, it is expected that potential exists in the electronics, radio and communication fields. The connection device must be earthed/grounded.

- Extra flexible.
- Antistatic.
- Silicone free.
- Testing in accordance with BS2050:1978 (1998) 4.12.
- Working temperature -15°C to +60°C.



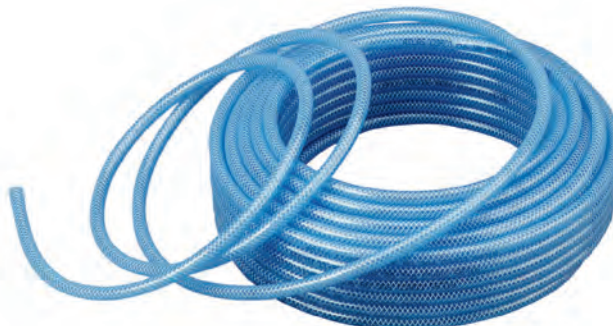
Model	Hose inside dia		Hose outside dia		Max working pressure <sup>a</sup> bar	Max rec. air flow l/s	Weight per 30 m coil kg	Ordering No.
	mm	in	mm	in				
CABLAIR ESD 06	6	1/4	11	7/16	10	4	2.34	8202 0501 06
CABLAIR ESD 08	8	5/16	12	1/2	9	7.5	2.56	8202 0501 08
CABLAIR ESD 10	10	3/8	14	9/16	8	13	2.71	8202 0501 10
CABLAIR ESD 13	13	1/2	18	23/32	7	21	4.41	8202 0501 13

<sup>a</sup> With a safety factor of 3 at 20°C (at the max temp of +60°C the working pressure should be reduced by 50%).

**PVC hoses****Strong PVC hose for heavy-duty applications**

PVC hose has high resistance to abrasion, which makes it the ideal hose for tough working environments such as workshops, factories, garages, etc. It is mainly recommended for indoor use.

- Long service life.
- Pliable.
- Transparent.
- Working temperature -25°C to +60°C.



Model	Hose inside dia		Hose outside dia mm	Max working pressure <sup>a</sup> bar	Max rec. air flow <sup>b</sup> l/s	Weight per 30 m coil kg	Ordering No.
	mm	in					
PVC 03	3.2	1/8	7	20	0.7	1.4	9093 0037 21
PVC 05	5	3/16	9	18	2.1	1.9	9093 0037 51
PVC 06	6.3	1/4	11	18	4	2.5	9093 0037 81
PVC 08	8	5/16	12	18	7.5	2.9	9093 0038 11
PVC 10	10	3/8	14	14	13	3.7	9093 0038 41
PVC 13	12.5	1/2	18	13	21	5.9	9093 0038 71
PVC 16	16	5/8	22	12	43	7.2	9093 0039 01
PVC 20	19	3/4	25	12	75	8.3	9093 0039 31
PVC 25	25	1	32	11	125	12.5	9093 0039 61

<sup>a</sup> With a safety factor of 3 at 20°C (at the max temp of +60°C the working pressure should be reduced by 50%).

<sup>b</sup> The pressure drop will be 0.2 bar on a hose length of 5 m.

**POLUR****High resistant polyurethane hose**

Polur hose is the most environmentally friendly solution. It has high resistance to abrasion and it is oil resistant. Polur hose has a much longer lifetime than PVC hoses. Polur is ideal in tough working conditions such as workshops, factories, garages, shipyards and construction sites due to its flexibility, even at minus degrees. Polur is recommended for indoor and outdoor use.

- Oil resistant.
- Flexible.
- Long service life.
- Working temperature -30°C to +80°C.



Model	Hose inside dia		Hose outside dia mm	Max working pressure <sup>a</sup> bar	Max rec. air flow <sup>b</sup> l/s	Weight per 25 m coil kg	Ordering No.
	mm	in					
POLUR 08	8	5/16	12	20	7.5	2.2	8202 0601 08
POLUR 10	10	3/8	14	16	13	2.5	8202 0602 10
POLUR 13	13	1/2	18	13	21	4.0	8202 0603 13

<sup>a</sup> With a safety factor of 3 at 20°C (at the max temp of +60°C the working pressure should be reduced by 50%).

<sup>b</sup> The pressure drop will be 0.2 bar on a hose length of 5 m, including 2 nipples and at an inlet pressure of 7 bar.



## TURBO

### Super-light flexible rubber hose

Turbo hose has been developed for flexible use both indoor and outdoor. The hose weighs 30-40% less than conventional rubber hoses, making it ideal for foundries, shipyards, engineering workshops and construction sites. Turbo hose is oil resistant.

- Extremely low weight.
- Soft and flexible.
- Antistatic.
- Grinding and welding spatter resistant.
- Working temperature -40°C to +90°C.



Model	Hose inside dia		Hose outside dia mm	Max working pressure <sup>a</sup> bar	Max rec. air flow <sup>b</sup> l/s	Weight per		Ordering No.
	mm	in				20 m coil kg	30 m coil kg	
TURBO 13	12.5	1/2	18.6	16	21	3.9	—	9093 0057 91
TURBO 13	12.5	1/2	18.6	16	21	—	5.9	9093 0057 93
TURBO 16	16.5	5/8	22.5	16	43	4.8	—	9093 0057 31
TURBO 16	16.5	5/8	22.5	16	43	—	7.2	9093 0057 33
TURBO 20	20.1	3/4	26.1	16	75	5.4	—	9093 0057 61

<sup>a</sup> With a safety factor of 4 at 20°C.

<sup>b</sup> The pressure drop will be 0.2 bar on a hose length of 5 m, including 2 nipples and at an inlet pressure of 7 bar.

## RUBBER

### Durable reinforced extra thick heavy duty rubber hose

The hose withstands rough handling and is suitable for the most demanding tasks in construction, mining, shipyards, foundries etc. The inner lining is black EPDM rubber, conductive to dissipate static electricity. Reinforcement with high tensile strength made of syntetic textile yarns.

- Durable.
- Antistatic.
- Grinding and welding spatter resistant.
- Working temperature -40°C to +90°C.



Model	Hose inside dia		Hose outside dia mm	Max working pressure <sup>a</sup> bar	Max rec. air flow <sup>b</sup> l/s	Length m	Weight kg	Ordering No.
	mm	in						
RUBBER	6.3	1/4	12	16	4	30	3.5	9030 2036 00
RUBBER	10	3/8	17	16	13	30	6.9	9030 2037 00
RUBBER	12.5	1/2	22	16	21	30	12.3	9030 2038 00
RUBBER	16	5/8	25	16	43	30	13.9	9030 2039 00
RUBBER	20	3/4	30	16	75	30	19.3	9030 2040 00
RUBBER	20	3/4	30	16	75	20	12.9	9030 2040 03
RUBBER	25	1	36	16	125	30	24.0	9030 2041 00
RUBBER	25	1	36	16	125	20	16.0	9030 2041 03

<sup>a</sup> With a safety factor of 5 at 20°C.

<sup>b</sup> The pressure drop will be 0.2 bar on a hose length of 5 m, including 2 nipples and at an inlet pressure of 7 bar.

## RUBAIR

### Durable reinforced heavy duty rubber hose

Rubair hose is double reinforced to fulfil all general heavy duty demands and is recommended for indoor and outdoor use. Rubair hose is oil resistant.

- Durable.
- Antistatic.
- Grinding and welding spatter resistant.
- Working temperature -40°C to +90°C.



Model	Hose inside dia		Hose outside dia mm	Max working pressure <sup>a</sup> bar	Max rec. air flow <sup>b</sup> l/s	Weight per 20 m coil kg	Ordering No.
	mm	in					
RUBAIR 10	10	3/8	16.0	16	13	3.6	8202 0402 10
RUBAIR 13	12.5	1/2	19.1	16	21	4.7	8202 0403 13
RUBAIR 16	16	5/8	23.0	16	43	6.1	8202 0404 16
RUBAIR 20	20	3/4	26.6	16	75	7.8	8202 0405 20
RUBAIR 25	25	1	34.0	16	125	11.8	8202 0406 25

<sup>a</sup> With a safety factor of 5 at 20°C.

<sup>b</sup> The pressure drop will be 0.2 bar on a hose length of 5 m, including 2 nipples and at an inlet pressure of 7 bar.



## SPI

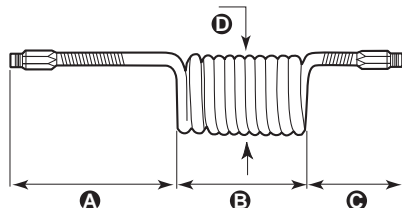
### Elastic hose for vertical and horizontal applications

SPI elastic spiral hose is ideal for air tools used at varying distances from a fixed air outlet. It is easily stretched and retracts immediately when released. When used with hand tools, its self-storage principle ensures that the hose is kept off the floor and out of the way of the operator. The SPI 1 and SPI 2 have ball bearing swivels fitted on the long hose side to allow 360° rotation. All spiral hoses, except the SPI4, are fitted with plastic spring guard. SPI is the ideal hose in combination with a balancer.

- Self-retractable.
- Light and flexible.
- Strong and durable.
- Tubing material: Polyurethane (100% PUR).
- Hardness: Shore A 98 +2.
- Colour: Blue.
- Working pressure: 8 bar at 23°C.
- Burst pressure: 25 bar at 23°C.
- Temperature range: -40°C to +70°C.



## Dimensions



Model	Hose inside dia mm	Hose outside dia mm	Max. rec. air flow <sup>a</sup> l/s	Working range m	Length			Max spiral dia (D) mm	Male threads in BSP	Ordering No.
					(A) mm	(B) mm	(C) mm			
SPI 1SPSW-S	6.5	10	7	2	500	165	150	55	1/4	8202 0508 71
SPI 1SPSW-M	6.5	10	5	4	500	330	150	55	1/4	8202 0508 73
SPI 2SPSW-S	8	12	13	2	500	130	150	70	3/8	8202 0508 75
SPI 2SPSW-M	8	12	10	4	500	270	150	70	3/8	8202 0508 77
SPI 2SPSW-L	8	12	9	6	500	435	150	70	3/8	8202 0508 79
SPI 2SPSW-XL	8	12	6	8	500	600	150	70	3/8	8202 0508 81
SPI 3SP-S	11	16	25	2	500	185	150	98	3/8	8202 0508 82
SPI 3SP-M	11	16	22	4	500	250	150	98	3/8	8202 0508 84
SPI 3SP-L	11	16	17	6	500	390	150	98	3/8	8202 0508 86
SPI 3SP-XL	11	16	13	8	500	550	150	98	3/8	8202 0508 88
SPI 4SP-XXL	13	19	21	10	500	850	500	115	3/8	8202 0508 90

<sup>a</sup> At inlet pressure 6 bar and pressure drop 0.5 bar.

Productivity kits boost productivity, extend tool lifetime and ensure minimum pressure drop.

Each productivity kit includes ball valve, air preparation unit, and the couplings, hose and nipples needed for correct and safe installation of the tool.

Just choose the correct productivity kit based on the air flow requirement of the tool and whether the tool needs lubrication or not. You'll be surprised how much the productivity kit improves the performance of the tool.

- Improves the performance of the tool.
- Fast and easy installation.
- Extends tool lifetime.



## Productivity kits for screwdrivers, drills and grinders

Model	Max air flow	Hose, 5 m	Coupling	Lubrication	Ordering No.
<b>For small screwdrivers and small drills with 1/8" BSP air inlet</b>					
MIDI Optimizer F/RD EQ08-C06-1/8	6 l/s	Cablaire 6 mm	ErgoQIC 08	Yes	8202 0850 10
MIDI Optimizer F/R EQ08-C06-1/8	6 l/s	Cablaire 6 mm	ErgoQIC 08	No	8202 0850 19
<b>For small screwdrivers and small drills with 1/4" BSP air inlet</b>					
MIDI Optimizer F/RD EQ08-C06	6 l/s	Cablaire 6 mm	ErgoQIC 08	Yes	8202 0850 06
<b>For screwdrivers and drills with 1/4" BSP air inlet</b>					
MIDI Optimizer F/RD EQ08-C08	9 l/s	Cablaire 8 mm	ErgoQIC 08	Yes	8202 0850 00
MIDI Optimizer F/R EQ08-C08	9 l/s	Cablaire 8 mm	ErgoQIC 08	No	8202 0850 01
<b>For 1/2" drills and small nutrunners with 3/8" BSP air inlet</b>					
MIDI Optimizer F/RD EQ08-C10	16 l/s	Cablaire 10 mm	ErgoQIC 08	Yes	8202 0850 07
<b>For 1/2" small nutrunners with 1/4" BSP air inlet</b>					
MIDI Optimizer F/RD EQ08-C10	16 l/s	Cablaire 10 mm	ErgoQIC 08	Yes	8202 0850 03
MIDI Optimizer F/RD EQ10-R10	16 l/s	Rubber 10 mm	ErgoQIC 10	Yes	8202 0850 16
<b>For percussive tools and grinders with 3/8" BSP air inlet incl. whiphose</b>					
MIDI Optimizer F/RD EQ10-R13-W	23 l/s	Rubber 13 mm	ErgoQIC 10	Yes	8202 0850 14
<b>For percussive tools and grinders, incl. whiphose, no tool nipple included</b>					
MIDI Optimizer F/RD EQ10-R13-W	23 l/s	Rubber 13 mm	ErgoQIC 10	Yes	8202 0850 15
<b>For drills and nutrunners with 3/8" BSP air inlet</b>					
MIDI Optimizer F/RD EQ10-C13	23 l/s	Cablaire 13 mm	ErgoQIC 10	Yes	8202 0850 02
<b>For drills and nutrunners with 1/4" BSP air inlet</b>					
MIDI Optimizer F/RD EQ10-C13-1/4	23 l/s	Cablaire 13 mm	ErgoQIC 10	Yes	8202 0850 11
<b>For grinders and nutrunners with 3/8" BSP air inlet</b>					
MIDI Optimizer F/RD EQ10-T13	35 l/s	Turbo 13 mm	ErgoQIC 10	Yes	8202 0850 17
<b>For grinders and nutrunners with 1/2" BSP air inlet</b>					
MIDI Optimizer F/R EQ10-T13	35 l/s	Turbo 13 mm	ErgoQIC 10	No	8202 0850 04
MIDI Optimizer F/RD EQ10-T13	35 l/s	Turbo 13 mm	ErgoQIC 10	Yes	8202 0850 13
<b>For grinders with 1/2" BSP air inlet</b>					
MIDI Optimizer F/RD EQ10-T16	40 l/s	Turbo 16 mm	ErgoQIC 10	Yes	8202 0850 12
<b>For large Turbine grinders with 1/2" BSP air inlet</b>					
MAXI F/R C-T16	60 l/s	Turbo 16 mm	Claw	No	8202 0850 05
<b>For large Turbine grinders with 1/2" BSP air inlet</b>					
MAXI F/RD C-T20	65 l/s	Turbo 20 mm	Claw	Yes	8202 0850 20

## Productivity kits for impact wrenches and pulse tools

Model	Max air flow	Hose, 5 m	Coupling	Lubrication	Ordering No.
<b>For small impacts and pulse tools with 1/4" BSP air inlet</b>					
MIDI Optimizer F/RD EP EQ08-C08	9 l/s	Cablaire 8 mm	ErgoQIC 08	Yes	8202 0850 35
<b>For 1/2" impact wrenches and pulse tools with 3/8" BSP air inlet</b>					
MIDI Optimizer F/RD EQ08-C10	16 l/s	Cablaire 10 mm	ErgoQIC 08	Yes	8202 0850 36
<b>For 1/2" impact wrenches and pulse tools with 1/4" BSP air inlet</b>					
MIDI Optimizer F/RD EQ08-C10	16 l/s	Cablaire 10 mm	ErgoQIC 08	Yes	8202 0850 37
MIDI Optimizer F/RD EQ10-R10	16 l/s	Rubber 10 mm	ErgoQIC 10	Yes	8202 0850 38
<b>For impact wrenches and pulse tools with 3/8" BSP air inlet</b>					
MIDI Optimizer F/RD EQ10-C13	23 l/s	Cablaire 13 mm	ErgoQIC 10	Yes	8202 0850 39
<b>For impact wrenches and pulse tools with 1/2" BSP air inlet</b>					
MIDI Optimizer F/RD EQ10-T13	35 l/s	Turbo 13 mm	ErgoQIC 10	Yes	8202 0850 41

# Pre-mounted Hose Kits

## Pre-mounted hose kits

Atlas Copco hose kits provides an easy way to choose the right hose and coupling combination for pneumatic tools. Each kit is ready for immediate use without the need of assembly tools.

- Correct combination hose – coupling.
- Leak free hose connections.
- Immediate use.



## Hose kits

Hose	Dia mm	Length m	Nipple	Coupling	Air inlet thread nipple	Ordering No.
Cablaire	6	5	ErgoNIP 08	ErgoQIC 08	-	8202 1182 01
Cablaire	6	5	NIP 08	ErgoQIC 08 US	-	8202 1182 16
Cablaire	6	5	ErgoNIP 10	ErgoQIC 10	1/8" BSP	8202 1180 67
Cablaire	6	5	ErgoNIP 10	ErgoQIC 10	1/4" BSP	8202 1182 01
Cablaire	8	5	ErgoNIP 08	ErgoQIC 08	1/4" BSP	8202 1182 02
Cablaire	8	5	NIP 08	ErgoQIC 08 US	-	8202 1182 21
Cablaire	8	5	ErgoNIP 10	ErgoQIC 08	1/4" BSP	8202 1180 77
Cablaire	10	1.5	ErgoNIP 10	ErgoQIC 10	-	8202 1182 25
Cablaire	10	5	ErgoNIP 08	ErgoQIC 08	1/4" BSP	8202 1182 03
Cablaire	10	5	ErgoNIP 10	ErgoQIC 10	-	8202 1182 05
Cablaire	10	5	NIP10 US	ErgoQIC 10 US	-	8202 1182 17
Cablaire	10	5	ErgoNIP 10	ErgoQIC 10	1/8" BSP	8202 1180 30
Cablaire	13	5	ErgoNIP 10	ErgoQIC 10	3/8" BSP	8202 1180 79
Cablaire	13	5	ErgoNIP 10	ErgoQIC 10	-	8202 1182 10
Cablaire	13	5	NIP 10 US	ErgoQIC 10 US	-	8202 1182 18
Cablaire	13	8.5	ErgoNIP 10	ErgoQIC 10	-	8202 1182 20
Cablaire	13	10	ErgoNIP 10	ErgoQIC 10	-	8202 1182 15
PVC	10	5	ErgoNIP 10	ErgoQIC 10	1/4" BSP	8202 1180 18
PVC	10	5	ErgoNIP 10	ErgoQIC 08	3/8" BSP	8202 1180 31
Rubber	10	5	ErgoNIP 10	ErgoQIC 10	3/8" BSP	8202 1180 20
Rubber	10	5	NIP 10 US	ErgoQIC 10 US	-	8202 1182 23
Rubber	10	5	ErgoNIP 10	ErgoQIC 10	1/4" BSP	8202 1180 43
Rubber	13	5	NIP 10 US	ErgoQIC 10 US	-	8202 1182 24
Rubber	20	5	CLAW	ErgoQIC 10	-	8202 1180 24
Rubber	20	5	CLAW	CLAW	-	8202 1180 29
Turbo	13	5	ErgoNIP 10	ErgoQIC 10	1/2" BSP	8202 1180 22
Turbo	13	5	NIP 10 US	ErgoQIC 10 US	-	8202 1182 19
Turbo	16	5	ErgoNIP 10	ErgoQIC 10	-	8202 1180 34
Turbo	16	5	CLAW	ErgoQIC 10	1/2" BSP	8202 1181 80
Turbo	16	5	NIP 15 US	ErgoQIC 15 US	-	8202 1182 22
Turbo	16	10	ErgoNIP 10	ErgoQIC 10	-	8202 1180 46
Turbo	20	20	CLAW	ErgoQIC 10	-	8202 1181 75



## Whip hose kits

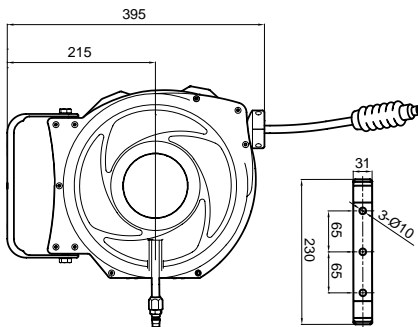
Hose	Dia mm	Length m	Nipple	Male thread	Ordering No.
Cablaire	10	0.7	ErgoNIP 10	1/4" BSPT	8202 1180 19
Cablaire	10	1.5	ErgoNIP 10	1/4" BSPT	8202 1182 30
Cablaire	10	1.5	ErgoNIP 10	3/8" BSPT	8202 1182 35
Cablaire	10	0.7	ErgoNIP 08	1/4" BSPT	8202 1180 47
PVC	10	0.7	ErgoNIP 08	3/8" BSPT	8202 1180 50
Rubber	10	0.7	ErgoNIP 10	1/4" BSPT	8202 1180 42
Rubber	10	0.7	ErgoNIP 10	3/8" BSPT	8202 1180 44
Rubber	13	0.7	ErgoNIP 10	1/2" BSPT	8202 1180 23
Rubber	16	0.5	ErgoNIP 10	1/2" BSPT	8202 1180 28
Rubber	16	0.5	CLAW	1/2" BSPT	8202 1180 37
Turbo	16	5	CLAW	1/2" BSPT	8202 1181 95

## HM LIGHT

The HM Light has a composite casing and a highly wear and oil resistant PUR hose. The HM Light hose reel is recommended for small screwdrivers and small pulse tools.

- Revolving hinge for flexible use.
- Light and compact.
- Kink resistant PUR-hose.
- Working temperature: -30°C - +60°C.
- Max working pressure is 20 bar.
- Inlet hose length: 0.9 m.

## Dimensions

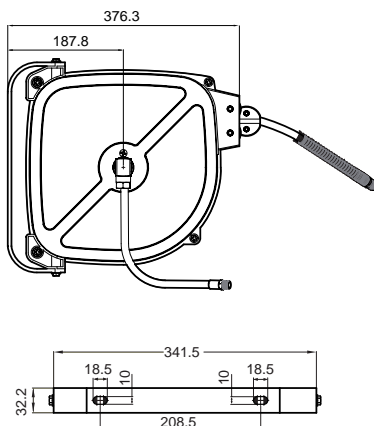


Model	Length		Hose inside dia		Connection inlet BSP	Connection distribution hose BSP	Air flow	Weight	Ordering No.
	m	Hose	mm	in	male	male	l/s	kg	
HM LIGHT	10	PUR	8	5/16	1/4	1/4	9	4.5	8202 1180 91

## HM FLEX

The HM FLEX has a high quality, compact steel casing and is recommended for small and medium screwdrivers, small and medium pulse tools, small drills, impact wrenches up to 1/2" size, small grinders and riveting and chipping hammers.

## Dimensions



- HM FLEX Grinding with spatter resistant rubber hose.
- Revolving hinge for flexible use.
- Strong and durable.
- Working temperature: -30°C - +60°C.
- Max working pressure: 20 bar.
- Inlet hose length: 1.5 m.

Model	Length		Hose inside dia		Connection inlet BSP	Connection distribution hose BSP	Air flow	Weight	Ordering No.
	m	Hose	mm	in	male	male	l/s	kg	
HM FLEX Grinding	8	Rubber	8	5/16	1/4	1/4	9	8.5	8202 1181 02
HM FLEX	10	PUR	10	3/8	1/4	1/4	14	8.5	8202 1181 00

HM OPEN FLEX

Hose reels in the HM Open Flex series have an open steel casing and 10 mm or 13 mm hose. HM Open Flex hose reels are recommended for screwdrivers, impact wrenches, pulse tools, drills, chipping and riveting hammers and grinders up to 1000 W.

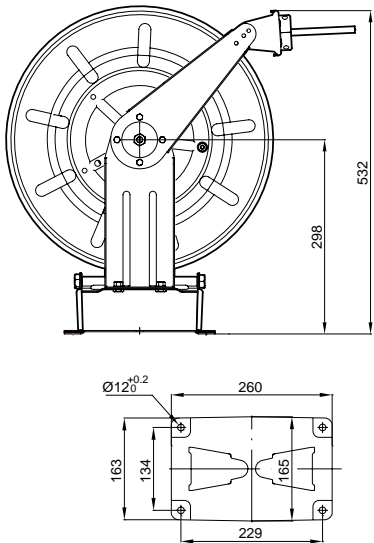
- Kink resistant PUR hose or spatter resistant rubber hose.
- Floor, wall or ceiling mounting.
- Revolving hinge for flexible use.
- Working temperature: -30°C - +60°C.
- Max working pressure: 20 bar.
- Inlet hose length: 1.5 m.



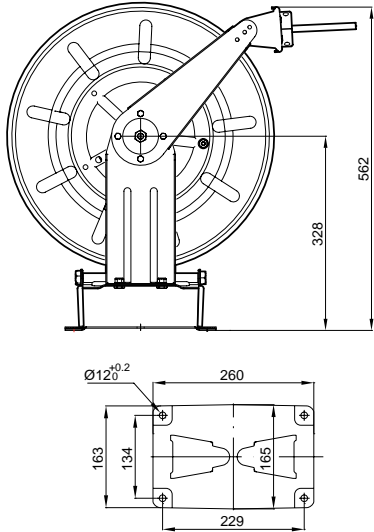
Model	Length m	Hose	Hose inside dia		Connection inlet BSP		Connection distribution hose BSP		Air flow l/s	Weight kg	Ordering No.
			mm	in	male		male				
HM OPEN FLEX	10	PUR	10	3/8	3/8		3/8		12	10.5	8202 1181 12
HM OPEN FLEX	15	PUR	10	3/8	3/8		3/8		8	11	8202 1181 10
HM OPEN FLEX	15	Rubber	10	3/8	3/8		3/8		8	11	8202 1181 09
HM OPEN FLEX L	10	PUR	13	1/2	1/2		1/2		16	13	8202 1181 22
HM OPEN FLEX L	15	PUR	13	1/2	1/2		1/2		14	14	8202 1181 20
HM OPEN FLEX L	15	Rubber	13	1/2	1/2		1/2		14	14	8202 1181 14

Dimensions

HM Open Flex



HM Open Flex L





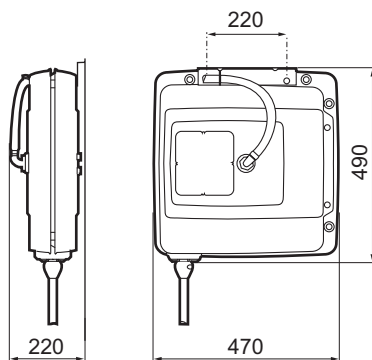
## HM FLEX L

The HM FLEX L, with a steel casing and high quality rubber hose, handles both air and water. The HM FLEX L is recommended for all screwdrivers, pulse tools, impact wrenches, drills, chipping and riveting hammers and grinders up to 1000 W.

- NBR rubber hose.
- Movable brackets for floor, wall and ceiling mounting.
- High flow capacity.
- Working temperature: -30°C - +60°C.
- Max working pressure is 15 bar.
- Inlet hose length: 1 m.



## Dimensions



Model	Length m	Hose	Hose inside dia		Connection inlet BSP male	Connection distribution hose BSP male	Air flow l/s	Weight kg	Ordering No.
			mm	in					
HM FLEX L	10	Rubber	12.5	1/2	1/2	1/2	22	16	8202 1181 56

## HM TURBO and HM XL

The HM Turbo and HM XL have an open steel casing with 20 mm Turbo hose or 25 mm rubber hose. The HM Turbo and HM XL are recommended for use with high powered grinders.

- Spatter resistant hoses.
- Extremely high flow capacity.
- Floor, wall or ceiling mounting.
- Revolving hinge for flexible use.
- Working temperature: -30°C - +60°C.
- Max working pressure: 20 bar.
- No hose, inlet coupling on casing.



## Dimensions

Model	L	H	W
HM TURBO	660	765	340

Model	Length m	Hose	Hose inside dia		Connection inlet BSP male	Connection distribution hose BSP male	Air flow l/s	Weight kg	Ordering No.
			mm	in					
HM Turbo	20	TURBO	20	3/4	3/4	No thread	50	42	8202 1181 30
HM XL	15	Rubber	25	1	1	No thread	60	42	8202 1181 33



Hose reel balancer – HRIL

Models in the HRIL range of hose reel balancers are specifically designed for use with small pneumatic hand tools.

The integrated air hose and support cable ensure the work area is kept tidy and the tool is easy to control.

- Ergonomics – The retraction force over hose travel remains almost constant which minimizes load on the operator and ensures smooth operation.
- An easily adjusted rubber stop is fitted on the hose which allows the tool to be set at the optimum position.
- The retraction force is easily adjustable by means of a hand wheel on the rear casing (this can be removed if desired, once the retraction force is set).
- Long service life – The design features a rugged casing, self lubricating spindle bearing bushes and a 360 degrees rotary inlet connector.
- A durable hose is fitted with additional protection to prevent excessive bending around air connectors.
- Low pressure drop – The HRIL balancers have very good flow characteristics.



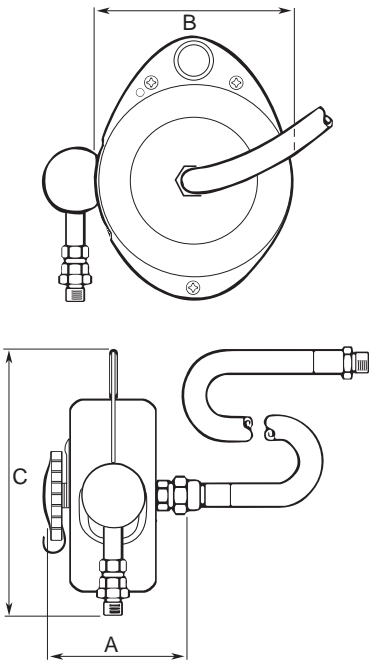
Model	Capacity range		Max rec. air flow <sup>a</sup> l/s	Hose travel m	Weight		Max working pressure bar	Dimensions			Ordering No.
	kg	lb			kg	lb		A	B	C	
HRIL 1	0.2-0.5	0.4-1.1	3.5	1.2	1.2	2.6	10	92	132	173	8202 0600 03
HRIL 3	0.5-1.4	1.1-3.1	5.5	1.0	1.2	2.6	10	92	132	173	8202 0600 11
HRIL 4	0.7-2.0	1.5-4.4	6.5	1.0	1.4	3.1	10	92	132	173	8202 0600 29

<sup>a</sup> At inlet pressure of 6 bar pressure drop is 0.4 bar.

Dimensions

Air line fittings

All models have a BSP 1/4" inlet fitting.  
HRIL 1 supplied with M5 and BSP 1/8" outlet fittings.  
HRIL 3 supplied with BSP 1/8" and BSP 1/4" outlet fittings.  
HRIL 4 supplied with BSP 1/4" outlet fitting.



Optional Accessories

Designation	Ordering No.
Safety chain	4391 4045 90

**COLIBRI – COL**

Balancers in the unique COL range hold the load and keep it weightless throughout the entire cable length.

**Productivity**

COL balancers always hold the tool in the correct position

**Ergonomic**

COL balancers reduce the stress level in the operator's muscles.

**Safety**

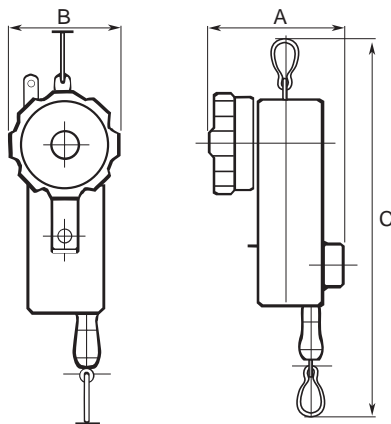
The load is not pulled back when released and the surroundings are protected from accidental hoisting of the load.

The cable locks in the event of spring failure (downward braking power).

In all models the braking function can be activated upwards by using the "bow and arrow" principle if you need to slacken the cable to change the tool.

**COLIBRI S**

The COL S models feature an extra safety brake mechanism (double braking system) for applications with extremely high safety requirements.

**Dimensions**

Model	Capacity range		Cable length m	Weight		Dimensions			Ordering No.
	kg	lb		kg	lb	A mm	B mm	C mm	
COL 1 01	0.7-1.3	1.5-2.9	1.7	0.5	1.1	108	72	245	8202 0750 01
COL 1 02	1.0-2.0	2.2-4.4	1.7	0.5	1.1	108	72	245	8202 0750 19
COL 2 03	1.7-3.5	3.7-7.7	2.4	2.3	5.1	155	116	427	8202 0750 27
COL 2 04	3.0-6.0	6.6-13.2	2.4	2.3	5.1	155	116	427	8202 0750 35
COL 2 05	4.7-7.0	10.4-15.4	2.4	2.5	5.5	155	116	427	8202 0750 43
COL 3 07	5.5-9.0	12.1-19.8	2.4	3.3	7.3	196	116	427	8202 0750 50
COL 3 10	8.0-13.0	17.6-28.7	2.4	3.4	7.5	196	116	427	8202 0750 68
COL 3 15	12.5-17.0	27.6-37.5	2.4	3.8	8.4	196	116	427	8202 0750 76
COL 4 18	14.0-22.0	30.9-48.5	2.4	13.2	29.1	244	193	620	8202 0774 11
COL 4 22	17.0-28.0	37.4-61.7	2.4	13.9	30.6	244	193	620	8202 0750 84
COL 4 30	24.0-38.0	52.9-83.8	2.4	14.5	32.0	244	193	620	8202 0750 92
COL 4 42	36.0-49.0	79.4-107.8	2.4	14.9	32.8	244	193	620	8202 0751 00
COL 4 50	43.0-55.0	98.4-121.3	2.4	15.3	33.7	244	193	620	8202 0751 18
<b>Safety brake</b>									
COL 2 03S	1.7-3.5	3.7-7.7	2.4	2.3	5.1	155	116	427	8202 0775 93
COL 2 04S	3.0-6.0	6.6-13.2	2.4	2.3	5.1	155	116	427	8202 0776 01
COL 2 05S	4.7-7.0	10.4-15.4	2.4	2.5	5.3	155	116	427	8202 0776 19
COL 3 07S	5.5-9.0	12.1-19.8	2.4	3.3	7.3	196	116	427	8202 0776 27
COL 3 10S	8.0-13.0	17.6-28.7	2.4	3.4	7.5	196	116	427	8202 0776 35
COL 3 15S	12.5-17.0	27.6-37.5	2.4	3.8	8.4	196	116	427	8202 0776 43

**NOTE:** COL 1 01 and COL 1 02 comes with nylon cable. All other models are equipped with steel wire.

**Optional Accessories****Safety chain**

	Ordering No.
COL 1	4391 4045 90
COL 2 and 3	4391 4046 90
COL 4	4391 4047 90

### RIL balancer

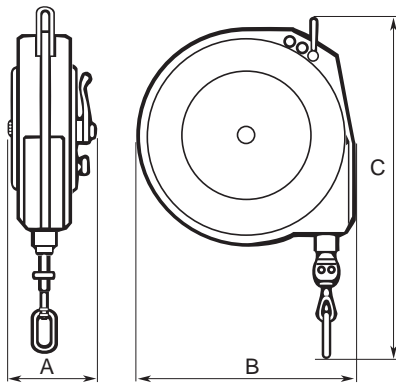
RIL balancers always keep the tool in place, handy and easily accessible.

### RIL Retractors

- Adjustable wire stop.
- High quality spring and construction.
- Load range 0 to 10 kg.



## Dimensions



Model	Capacity range		Cable length m	Weight		Dimensions			Ordering No.
						A	B	C	
	kg	lb		mm	mm	mm			
Retractors									
RIL 1C	0.0-0.5	0.0-1.7	1.5	0.6	1.3	51	106	238	8202 0700 02
RIL 2C	0.4-1.0	0.9-2.2	1.5	0.6	1.3	51	106	238	8202 0701 19
RIL 4C	1.0-2.0	2.2-4.4	1.5	0.6	1.3	51	106	238	8202 0702 18
RIL 5C	1.4-2.3	3.1-5.1	1.5	0.6	1.3	51	106	238	8202 0703 25
RIL 5	0.4-2.3	0.9-5.1	2.4	2.0	4.4	70	157	308	8202 0703 09
RIL 5LR <sup>b</sup>	0.4-2.3	0.9-5.1	2.4	2.0	4.4	70	157	308	8202 0703 15
RIL 10C	2.0-5.0	4.4-11.0	2.4	2.7	6.0	84	190	369	8202 0704 16
RIL 10CS <sup>a</sup>	2.0-5.0	4.4-11.0	2.4	2.7	6.0	84	190	369	8202 0704 20
RIL 15C	5.0-7.0	11.0-15.4	2.4	3.2	7.1	84	190	369	8202 0705 15
RIL 15CS <sup>a</sup>	5.0-7.0	11.0-15.4	2.4	3.2	7.1	84	190	369	8202 0705 20
RIL 22C	6.0-10.0	13.2-22.0	2.4	3.2	7.1	84	190	369	8202 0706 14
RIL 22CS <sup>a</sup>	6.0-10.0	13.2-22.0	2.4	3.2	7.1	84	190	369	8202 0706 20

<sup>a</sup> Balancer equipped with automatic safety drum lock in case of spring failure. Safety chain included

<sup>b</sup> Contains a lock ratchet to lock the cable in increments along its entire length.

**NOTE:** RIL 1C, 2C, 4C and 5C comes with nylon cable. All other models are equipped with steel wire.

## Optional Accessories

### Safety chain

	Ordering No.
1C, 2C, 4C and 5C	4391 4045 90
10C <sup>a</sup> , 15C <sup>a</sup> and 22C <sup>a</sup>	4391 4156 00
5	4391 4046 90

<sup>a</sup> Safety chain included.

**WP balancer**

Weightless positioning balancers with a cone-shaped drum hold the load and keep it weightless throughout the entire cable length.

**Productivity**

WP balancers always hold the tool in the correct position and minimize worker fatigue.

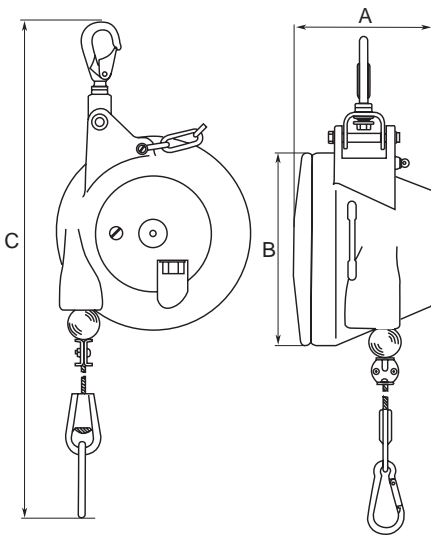
**Ergonomic**

WP balancers reduce stress level in the operator's muscles.

**Safety**

The load is not pulled back when released and the environment is protected from accidental hoisting of the load.

- Steel cable with cable stop buffer.
- Safety chain.
- Quick and easy cable replacement.

**Dimensions**

Model	Capacity range		Cable length	Weight		Dimension			Ordering No.
	kg	lb		kg	lb	A mm	B mm	C mm	
WP 05-1	0.4-1.2	0.9-2.6	1.6	1.3	2.9	71	141	460	8202 0778 00
WP 05-3	1.2-2.6	2.6-5.7	1.6	1.4	3.1	71	141	460	8202 0778 01
WP 05-4	2.6-3.8	5.7-8.4	1.6	1.5	3.3	71	141	460	8202 0778 02
WP 05-5	3.8-5.2	8.4-11.5	1.6	1.5	3.3	71	141	460	8202 0778 03
WP 05-6	5.2-6.5	11.5-14.3	1.6	1.5	3.3	71	141	460	8202 0778 04
WP 10-3	3-5	6.6-11	2	2.9	6.4	130	188	521	8202 0779 00
WP 10-4.5	4.5-7	10-15.4	2	3.1	6.8	130	188	521	8202 0779 01
WP 10-6	6-10	13-22	2	3.2	7.0	130	188	521	8202 0779 02
WP 10-9	9-14	20-31	2	3.4	7.5	130	188	521	8202 0779 03
WP 10-13	13-17	29-37	2	3.6	8.0	130	188	521	8202 0779 04
WP 10-16	16-21	35-46	2	3.8	8.4	130	188	521	8202 0779 05
WP 20-15	15-25	33-55	2	7.8	17.2	152	218	521	8202 0780 00
WP 20-25	25-35	55-77	2	8.9	19.6	152	218	521	8202 0780 01
WP 20-35	35-45	77-99	2	9.5	21.0	152	218	521	8202 0780 02
WP 20-45	45-55	99-121	2	9.8	21.5	152	218	521	8202 0780 03
WP 30-12	12-20	26-44	2	14.8	32.6	203	285	749	8202 0781 00
WP 30-20	20-30	44-66	2	15.2	33.5	203	285	749	8202 0781 01
WP 30-30	30-45	66-99	2	16.9	37.3	203	285	749	8202 0781 02
WP 30-45	45-60	99-132	2	17.3	38.1	203	285	749	8202 0781 03
WP 30-60	60-75	132-165	2	18.7	41.2	203	285	749	8202 0781 04
WP 30-75	75-90	165-198	2	19.7	43.4	203	285	749	8202 0781 05
WP 30-90	90-100	198-220	2	19.9	43.4	203	285	749	8202 0781 06
WP 40-100	100-115	220-254	3	42.0	43.9	348	320	800	8202 0782 00
WP 40-115	115-130	254-287	3	44.0	97.0	348	320	800	8202 0782 01
WP 40-130	130-140	287-309	3	46.0	101	348	320	800	8202 0782 02
WP 40-140	140-150	309-331	3	48.0	106	348	320	800	8202 0782 03

## Blow Gun BG-series

Atlas Copco blow guns BG-series are hard wearing, user friendly solution for all cleaning applications. The plastic body offer flexibility in handling for both left and right handed users, it insulate against cold and it reduce the risk of scratches to worksurfaces. The blow gun has excellent throtteling properties allowing easy regulation of the air flow. The blow guns have air inlet thread in brass that is fully covered by the plastic body. Two versions available with star tip to reduce risk of damages or injuries if the tube is pressed against workpiece or skin.

- High flow capacity
- Suspension
- Plastic body to avoid scratches
- Air inlet thread in brass
- Star tip availability for improved safety



Model	Version	Working pressure bar	Air flow l/s	Weight kg	Air inlet thread BSP	Ordering No.
BG 2603-HF	Long tube, high flow	6.3	7.5	0.13	1/4	8202 1006 04
BG 2604-SHF	Short tube	6.3	4.3	0.12	1/4	8202 1006 05
BG 2605-STSS	Short tube, star tip	6.3	6.6	0.12	1/4	8202 1006 06
BG 2606-STS	Long tube, star tip, balancer	6.3	6.3	0-14	1/4	8202 1006 07

### Air tool simulator

In order to check whether the pressure or the flow is sufficient the air tool simulator can be connected instead of the tool. The simulator is delivered with different connections.

Ordering No. 4145 0698 81.



### Pressure control unit

The unit consists of a high quality pressure gauge and the necessary couplings for checking the air pressure at the air inlet of the machine.

Ordering No. 4145 0699 81.



### Air leakage detector

The air leakage detector is used to find leaks (e.g. in compressed air installations, vacuum installations, etc.) It works by "listening" on a frequency band normally containing no interference and non-audible for humans (>20kHz). Leaking compressed air or electrical flashover (sparks) generate, e.g. ultrasonic sound.

The equipment is delivered in a suitcase and consists of: Detecting device, headphone set and directional probe.

Ordering No. 8202 9002 00.



# AIRnet – Quality Piping Solution

## AIRnet

AIRnet is a compressed air piping system that delivers quality air exactly where you need it, from compressor to the point of use.

- Fast: Thanks to a smart design and low weight materials, AIRnet can be installed 70% faster than conventional systems.
- Easy: AIRnet pipes and fittings are assembled in just a few steps by a single installer, without the need for heavy machinery.
- Reliable: Low friction and seamless connections of AIRnet minimize pressure drop thus effectively reduce the cost of ownership of your piping system.

## GENERAL INFORMATION

### Compliance

- EN 13480 / Directive 97/23/EC and ASME B31.1
- Complies with Common Pressure related approvals PED /CE / ASME /TUV
- Ø 20 / 25 / 40 / 50 / 63 / 80 / 100 mm
- 3/4", 1", 1 1/2", 2", 2 1/2", 3", 4"

### Performance criteria

- Compatible with compressed air, Nitrogen.
- Maximum working pressure PN13 for temperatures between -20°C (-4°F) and +70°C (158°F).
- Operating temperature limits: -20°C (-4°F) / +70°C (158°F).
- Operating pressure: 20-80 mm 0.13-13 bar, 100 mm 0.13-16 bar.
- Lowest allowable pressure dewpoint: -70°C (-94°F).
- Resistant to the effect of compressor oils (mineral oil / PAO based / Ester based oils).
- AIRnet pipes are resistant to direct UV radiation and fittings are resistant to indirect UV radiation.
- Corrosion-free.
- Leak-resistant.
- Compatible with Oil Free and Oil Injected Compressors.
- Vacuum level: 20-80 mm 0.13 bar (1.88 psi) absolute pressure



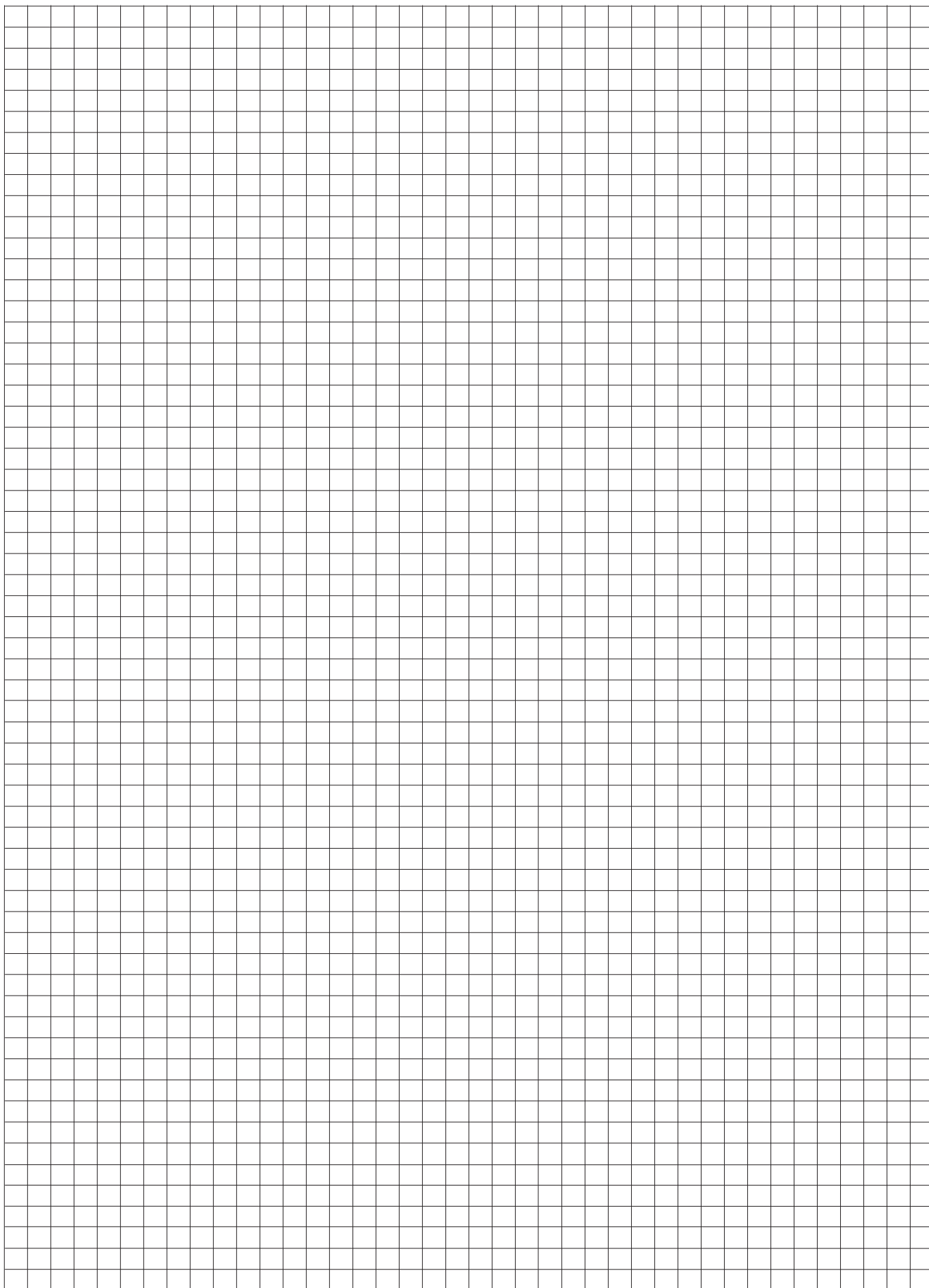
### Pipes

- Extruded aluminium UNS alloy A96063 T5.
- Maximum design pressure indication.
- Printed  
Part number  
Nominal diameter  
Manufacture date



A cross-business areas project, initiated during 2012, enables Atlas Copco Tools to offer the AIRnet product range on request. Please contact your Atlas Copco Accessories contact to find out more.

The complete AIRnet product range including part numbers can be found in the separate AIRnet catalogue.



## This image shows a full page of blank graph paper. The grid consists of small, equal-sized squares formed by thin, dark gray lines. The grid covers the entire area of the page, leaving no margins or other markings. There are 20 columns and 20 rows of squares, creating a total of 400 square units.

