

Your partner in pneumatics and automation



PIRTEK FLUID SYSTEMS

Pneumatic Product Guide

Air Preparation
Valves
Flow Controls
Cylinders
Fittings
Blow Guns
Tubing





PIRTEK FLUID SYSTEMS PTY LTD

are a

PREFERRED NATIONAL

CHANNEL PARTNER

of

SMC PNEUMATICS (AUSTRALIA) PTY LTD

Note: All part numbers in this catalogue are SMC numbers.
Pirtek item codes are SMC part numbers prefixed with an 'S'.

The items in this catalogue typically represent SMC products that are utilised in conjunction with hydraulic or industrial applications. Please refer to the SMC web site for the complete product offering, which is also available from the Pirtek network of Service and Supply Centres.

CONTENTS

AIR PREPARATION

Series AC	Filter Regulator Lubricators	3~4
Series AR	Modular Regulators	5
Series AW	Filter Regulators	5
Series AF	Modular Filters	6
Series AL	Modular Lubricators	6
Series ADH4000	Auto Drains	7
Series G	Gauges	7
Series AN	Silencers	7

VALVES

Series VT	Direct Operated 3 Port Solenoid Valves	9
Series VF	5 Port Solenoid Valves IP65	9
Series EVS7	5 Port Solenoid Valves / ISO Standard	9
Series VM200	Mechanically/Manually Operated 3 Port Valves	10
Series VM400	Mechanically/Manually Operated 3 Port Valves	10
Series VH	Manually Operated 4 Port Valves	11
Series VHK	Manually Operated 2 Port Valves	11
Series VHS	3 Port Valves for Residual Pressure Release	11

FLOW CONTROLS

Series AS	Flow Controls	13
Series ASG	Stainless Steel Flow Controls	13
Series AQ	Quick Exhaust Valves	13

CYLINDERS

Series C85	ø8 to ø25 ISO Crimp Cylinders	15
Series C96	ø32 to ø125 ISO Round Tube Cylinders	16
Series CP96	ø32 to ø125 ISO Profile Tube Cylinders	17

FITTINGS

Series KQ2	Fittings	19~23
------------	----------------	-------

BLOW GUNS

Series VMG	Blow Guns	24
Series KN	Blow Gun Nozzles	24

TUBING

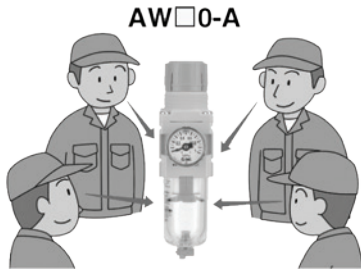
Series TE	UV Stable Tubing.....	25
-----------	-----------------------	----



AIR PREPARATION

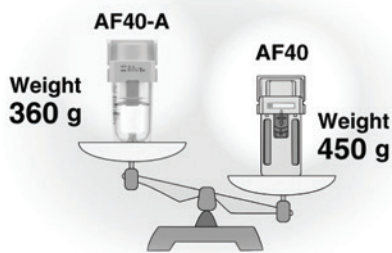
Features and Benefits Series AC

Transparent bowl guard which means better visibility: 360°



- Condensate can be monitored from anywhere

Lighter weight & metal related corrosion does not occur



Applicable models

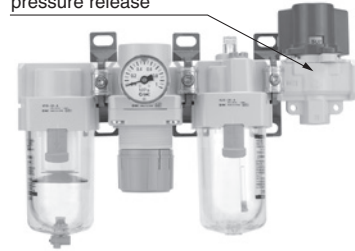
Applicable model		Air Filter AF		Mist Separator AFM
		Micro Mist Separator AFD		Filter Regulator AW
		Lubricator AL		

* Body size: 30 or more

3-port valve for residual pressure release

With the use of a 3-port valve for residual pressure release, pressure left in the line can be easily exhausted.

3-port valve for residual pressure release



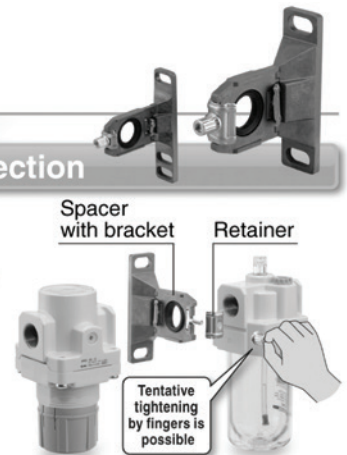
Applicable series

- Air Filter + Regulator + Lubricator (**AC□0-A**)
- Filter Regulator + Lubricator (**AC□0A-A**)
- Air Filter + Regulator (**AC□0B-A**)
- Air Filter + Mist Separator + Regulator (**AC□0C-A**)
- Filter Regulator + Mist Separator (**AC□0D-A**)

Modular connection

Step ①

- Mount the product by lining up the mating surface of the spacer with the new bracket.
- Insert the retainer into the spacer bolt and tighten the nut. (Temporary)



Step ②

- Tighten the nut with the hexagon wrench.

Interchangeable with existing products.

- New spacer can be connected to existing AF, AR, AL, AW series.
- Existing spacer cannot be used for new AR□-A, AF□-A, AL□-A, AW□-A series.



Air Filter+Regulator+Lubricator Series AC



Part Number 1),2)	Port Size	Set Pressure Range MPa	Drain type	Filtration	Circuit Symbols
AC10-M5	M5	0.05 to 0.7	Manual discharge 1)	5 µm (optional: 2, 10, 20, 40, 70, 100 µm)	
AC20-01-C-A	Rc1/8				
AC20-02-C-A	Rc1/4				
AC30-02-A	Rc1/4				
AC30-03-A	Rc3/8				
AC40-03-A	Rc3/8				
AC40-04-A	Rc1/2				
AC40-06-A	Rc3/4	0.05 to 0.85			
AC50-06	Rc3/4				
AC60-10	Rc1				

1) Add suffix D in Part Number for automatic drain (normally open) only for size 30 or more. eg. **AC40-03D-A**
 2) Add suffix G in Part Number for gauge. eg. **AC40-03G-A**

- Standard sizes with port M5 to Rc1.
- Filter with optional manual or automatic drain.
- 3 bowl materials for different types of use (polycarbonate, nylon, metal).
- Temperature range -5 to 60°C.

Filter Regulator+Lubricator Series AC



Part Number 1),2)	Port Size	Set Pressure Range MPa	Drain type	Filtration	Circuit Symbols
AC10A-M5	M5	0.05 to 0.7	Manual discharge 1)	5 µm (optional: 2, 10, 20, 40, 70, 100 µm)	
AC20A-01-C-A	Rc1/8				
AC20A-02-C-A	Rc1/4				
AC30A-02-A	Rc1/4				
AC30A-03-A	Rc3/8				
AC40A-03-A	Rc3/8				
AC40A-04-A	Rc1/2				
AC40A-06-A	Rc3/4	0.05 to 0.85			
AC60A-10	Rc1				

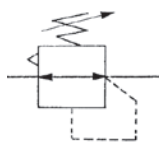
1) Add suffix D in Part Number for automatic drain (normally open) only for size 30 or more. eg. **AC40-03D-A**
 2) Add suffix G in Part Number for gauge. eg. **AC40-03G-A**

- Wide range of accessories for custom variants.
- 3 bowl materials for different types of use (polycarbonate, nylon, metal).
- Temperature range -5 to 60° C.
- Filter regulator with optional manual or automatic drain.

Regulators Series AR



- To be used as stacking manifold or as single device.
- Piston-type regulator (AR10) or diaphragm regulator (AR20-60), relieving type.
- Panel mounting possible.
- Temperature range -5 to 60° C.

Part Number 1)	Port Size	Port Size Gauge	Set Pressure Range MPa	Circuit Symbol
AR10-M5H	M5	Rc1/16	0.05 to 0.7	
AR20-01H-A	Rc1/8	Rc1/8		
AR20-02H-A	Rc1/4			
AR30-03H-A	Rc3/8			
AR40-04H-A	Rc1/2			
AR40-06H-A	Rc3/4	Rc1/4	0.05 to 0.85	
AR50-06	Rc3/4			
AR60-10	Rc1			

1) Add suffix G in Part Number for gauge. eg. **AR40-03G-A**

Air regulator for 0.02 ~ 0.2 MPa

Part Number	Port Size	Port Size Gauge	Set Pressure Range MPa
AR10-M5-1	M5	Rc1/16	0.02 to 0.2
AR20-01-1-A	Rc1/8	Rc1/8	
AR20-02-1-A	Rc1/4		
AR30-03-1-A	Rc3/8		
AR40-04-1-A	Rc1/2		

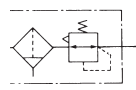
Bracket assembly

Series 20	Series 30	Series 40~40-06	Series 50/60
AR22P-270AS	AR32P-270AS	AR42P-270AS	AF50P-270AS

Filter Regulators Series AW



- To be used as stacking manifold or as single device.
- Piston-type or diaphragm regulator, relieving type.
- Panel mounting possible.
- Standard filtration rating 5 µm.
- Temperature range -5 to 60° C.
- Filter cartridge can be changed quickly.

Part Number 1),2)	Port Size	Port Size Gauge	Set Pressure Range MPa	Drain Type	Filtration	Circuit Symbol
AW10-M5H	M5	Rc1/16	0.05 to 0.7	Manual discharge 1)	5 µm (optional: 2, 10, 20, 40, 70, 100 µm)	
AW20-01H-C-A	Rc1/8	Rc1/8				
AW20-02H-C-A	Rc1/4					
AW30-02H-A	Rc1/4					
AW30-03H-A	Rc3/8					
AW40-02H-A	Rc1/4					
AW40-03H-A	Rc3/8					
AW40-04H-A	Rc1/2					
AW40-06H-A	Rc3/4	Rc1/4	0.05 to 0.85			
AW60-06	Rc3/4					
AW60-10	Rc1					

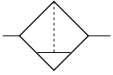
1) Add suffix D in Part Number for automatic drain (normally open) only for size 30 or more. eg. **AW40-03D-A**
2) Add suffix G in Part Number for gauge. eg. **AW40-03G-A**

Bracket assembly

Series 20	Series 30	Series 40~40-06	Series 60
AR22P-270AS	AR32P-270AS	AR42P-270AS	AW60P-270AS

Filters Series AF



Part Number 1)	Port Size	Bowl Capacity (cm ³)	Drain Type	Filtration	Circuit Symbols
AF10-M5	M5	2,5	Manual discharge 1)	5 µm (optional: 2, 10, 20, 40, 70, 100 µm)	
AF20-01-C-A	Rc1/8	8			
AF20-02-C-A	Rc1/4	8			
AF30-02-A	Rc1/4	25			
AF30-03-A	Rc3/8	25			
AF40-03-A	Rc3/8	45			
AF40-04-A	Rc1/2	45			
AF40-06-A	Rc3/4	45			
AF50-06	Rc3/4	45			
AF60-10	Rc1	45			

1) Add suffix G in Part Number for drain. eg. **AF40-04D-A**

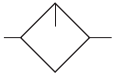
- To be used as stacking manifold or as single device.
- Filtration rating 5 µm.
- Optional manual or automatic drain.
- 3 bowl materials for different types of use (polycarbonate, nylon, metal).
- Filter cartridge element can be changed quickly.
- Temperature range -5 to 60° C.
- Vertical mounting position.

Bracket assembly

Series 20	Series 30	Series 40	Series 40-60	Series 50/60
AF20P-050AS	AF30P-050AS	AF40P-050AS	AF40P-070AS	AF50P-050AS

Lubricators Series AL



Part Number	Port Size	Bowl Capacity (cm ³)	Recommended Lubricant	Circuit Symbols
AL10-M5	M5	7	Class 1 Turbine oil ISO VG32	
AL20-01-C-A	Rc1/8	25		
AL20-02-C-A	Rc1/4	25		
AL30-02-A	Rc1/4	55		
AL30-03-A	Rc3/8	55		
AL40-03-A	Rc3/8	135		
AL40-04-A	Rc1/2	135		
AL40-06-A	Rc3/4	135		
AL50-06	Rc3/4	135		
AL60-10	Rc1	135		

- To be used as stacking manifold or as single device.
- Bowl protection from body size 30 up.
- Lubricator adjustable with visual inspection.
- Refillable under pressure from body size 30 up.
- Temperature range -5 to 60° C.

Bracket assembly

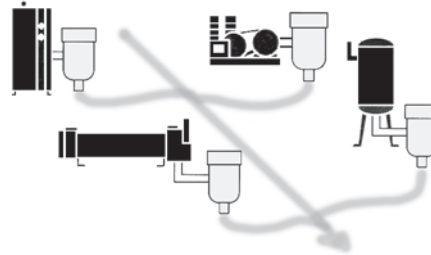
Series 20	Series 30	Series 40	Series 40-06	Series 50/60
AF22-050AS	AF32P-050AS	AF42P-050AS	AF42P-070AS	AF50P-050AS

Heavy Duty Auto Drain Series ADH4000



- Suitable for dirty water drain.
- Easy maintenance.
- No need for electric power and no waste of air.

Part Number	Port Size	Port Size Drain	Condensate Quantity	Bracket Set
ADH4000-04	Rc1/2	Rc1/2	400 cc/min	BM58



Pressure Gauges Series G



- Rear entry (Male thread).

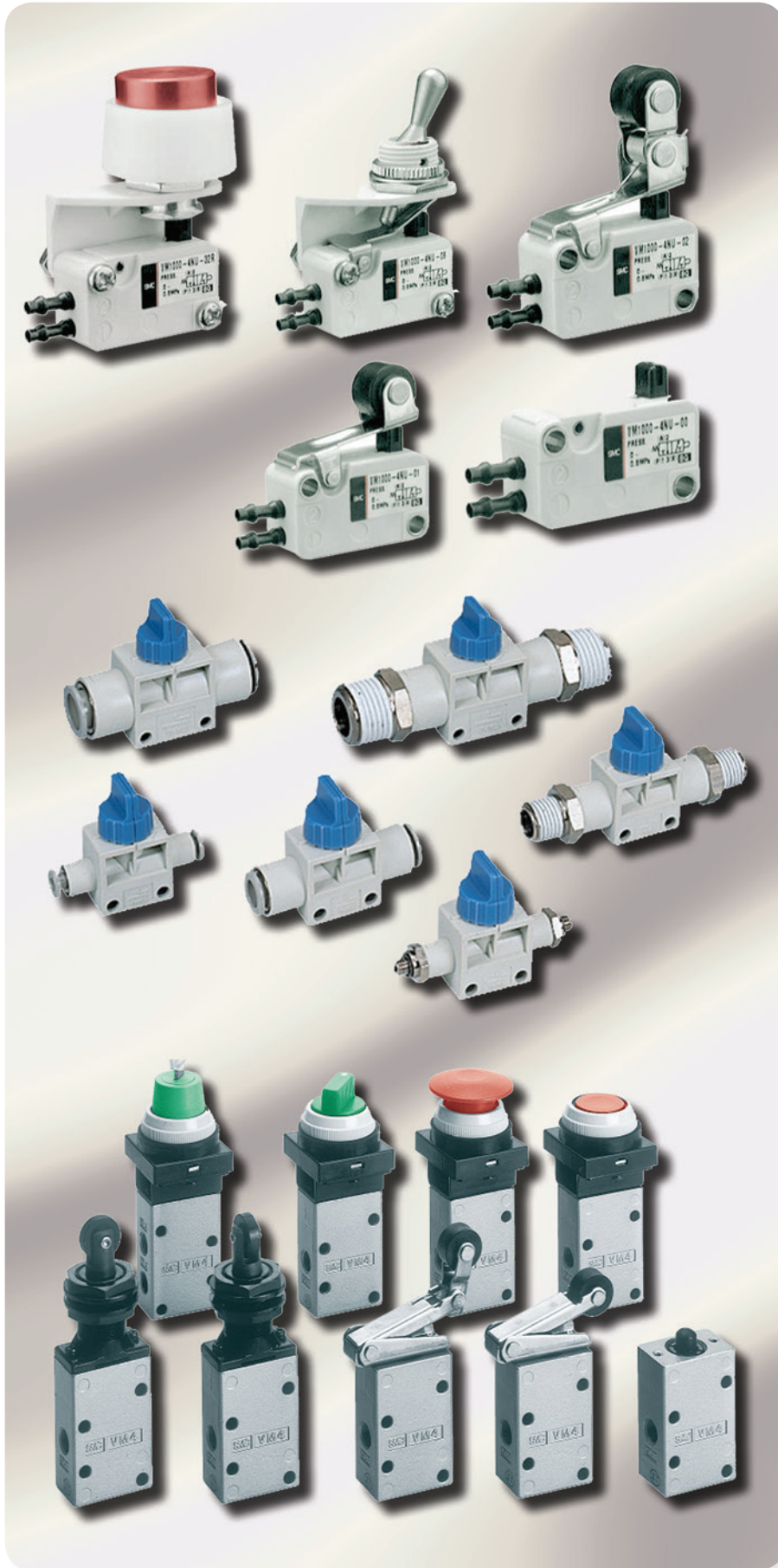
Part Number	Pressure Range MPa	Connection Thread	Outside Diameter
G15-10-01	0 to 1.0	R1/8, M5 (Female thread)	ø15
G27-10-R1	0 to 1.0	R1/16	ø26
G36-2-01	0 to 0.2	R1/8	ø37.5
G36-4-01	0 to 0.4		
G36-7-01	0 to 0.7		
G36-10-01	0 to 1.0		
G40-K10-01	0 to 1.0	R1/8	ø40
G40-K10-02	0 to 1.0	R1/4	ø40
G46-S2-01M	0 to 0.2	R1/8	ø42.5
G46-S10-01M	0 to 1.0		
G46-S2-02	0 to 0.2	R1/4	ø42.5
G46-S10-02	0 to 1.0		
G46-S2-01M-C	0 to 0.2	R1/8	ø42.5 (For panel mount)
G46-S10-01M-C	0 to 1.0		
G46-S2-02M-C	0 to 0.2	R1/4	
G46-S10-02M-C	0 to 1.0		

Standard Silencers Series AN



- For threads M5 ~ 2".
- Noise reduction up to 30 dB
- Compact design.

Part Number	Thread Connection R	Effective Area mm ² (Cv)	Noise Reduction	Weight (g)	Circuit Symbol
AN05-M5	M5	5 (0.3)	Up to 30 dB	0.5	
AN10-01	R1/8	10 (0.6)		1	
AN20-02	R1/4	35 (1.9)		4	
AN30-03	R3/8	60 (3.3)		5.5	
AN40-04	R1/2	90 (5.0)		8.5	
AN500-06	R3/4	160 (8.8)		165	
AN600-10	R1	270 (15)		220	
AN700-12	R1 1/4	440 (24)		435	
AN800-14	R1 1/2	590 (33)		510	
AN900-20	R2	960 (53)		740	



VALVES

**Direct Operated 3 Port Solenoid Valves
Rubber Seal
Series VT**



- Compact with large flow capacities.
- Low power consumption.

Port Size	Type	Voltage	Cv	Max Pressure	Part Number
Rc1/8	3/2 SOL	24 VDC	0.18	1.0 MPa	VT307K-5DZ1-01
Rc1/8	3/2 SOL	240 VAC (50 Hz)	0.18	1.0 MPa	VT307K-7DZ1-02
Rc1/4	3/2 SOL	24 VDC	0.47	0.9 MPa	VT317-5DZ-02
Rc1/4	3/2 SOL	240 VAC (50 Hz)	0.47	0.9 MPa	VT317-7DZ-02
Rc3/8	3/2 SOL	24 VDC	1.4	1.0 MPa	VT325-035D
Rc3/8	3/2 SOL	240 VAC (50 Hz)	1.4	1.0 MPa	VT325-037D

**5 Port Solenoid Valves IP65
Rubber Seal
Series VF**



- Robust, general purpose valve.
- Low power consumption.
- Reduced noise when switching.

Port Size	Type	Voltage	Cv	Max Pressure	Part Number
Rc1/8	5/2 SGL SOL	24 VDC	0.17	1.0 MPa	VF1120K-5DZ1-01
Rc1/8	5/2 SGL SOL	240 VAC (50 Hz)	0.17		VF1120K-7DZ1-01
Rc1/8	5/2 DBL SOL	24 VDC	0.17		VF1220K-5DZ1-01
Rc1/8	5/2 DBL SOL	240 VAC (50 Hz)	0.17		VF1220K-7DZ1-01
Rc1/4	5/2 SGL SOL	24 VDC	1.0		VF3133K-5DZ1-02
Rc1/4	5/2 SGL SOL	240 VAC (50 Hz)	1.0		VF3133K-7DZ1-02
Rc1/4	5/2 DBL SOL	24 VDC	1.0		VF3233K-5DZ1-02
Rc1/4	5/2 DBL SOL	240 VAC (50 Hz)	1.0		VF3233K-7DZ1-02
Rc3/8	5/2 SGL SOL	24 VDC	2.4		VF5123K-5DZ1-03
Rc3/8	5/2 SGL SOL	240 VAC (50 Hz)	2.4		VF5123K-7DZ1-03
Rc3/8	5/2 DBL SOL	24 VDC	2.4		VF5223K-5DZ1-03
Rc3/8	5/2 DBL SOL	240 VAC (50 Hz)	2.4		VF5223K-7DZ1-03

**Double Connectors ISO Size 1, 2 & 3
Metal Seal
Series EVS7**



- Hi flow.
- High performance.
- Low power consumption.

Series	Type	Voltage	Max Flow N(ℓ/min)	Max Pressure	Part Number
ISO Size 1	5/2 SGL SOL	24 VDC	1476	0.9 MPa	EVS7-6-FG-S-3DV
ISO Size 1	5/2 SGL SOL	240 VAC (50 Hz)	1476		EVS7-6-FG-S-7DV
ISO Size 1	5/2 DBL SOL	24 VDC	1476		EVS7-6-FG-D-3DV
ISO Size 1	5/2 DBL SOL	240 VAC (50 Hz)	1476		EVS7-6-FG-D-7DV
ISO Size 2	5/2 SGL SOL	24 VDC	3148		EVS7-8-FG-S-3DV
ISO Size 2	5/2 SGL SOL	240 VAC (50 Hz)	3148		EVS7-8-FG-S-7DV
ISO Size 2	5/2 DBL SOL	24 VDC	3148		EVS7-8-FG-D-3DV
ISO Size 2	5/2 DBL SOL	240 VAC (50 Hz)	3148		EVS7-8-FG-D-7DV
ISO Size 3	5/2 SGL SOL	24 VDC	4900		EVS7-10-FG-S-3DV
ISO Size 3	5/2 SGL SOL	240 VAC (50 Hz)	4900		EVS7-10-FG-S-7DV
ISO Size 3	5/2 DBL SOL	24 VDC	4900		EVS7-10-FG-D-3DV
ISO Size 3	5/2 DBL SOL	240 VAC (50 Hz)	4900		EVS7-10-FG-D-7DV

**Mechanically/Manually Operated
3 Port Valves
Series VM200**



- 3 port switching valve with port size Rc 1/4".
- Robust poppet valve design.
- Limit switch, manual switch and foot pedal type mounted with a basic valve using a modular stacking system.
- Superior flow capacity for a low height.
- Minimal force to operate.

Part Number	Circuit Symbols	Actuator	Operating Pressure Range	Flow (Nl/min)
VM230-02-00A		Basic valve	0~1MPa	984
VM230-02-01A		Roller lever		
VM230-02-02A		One way roller lever		
VM230-02-08A		Toggle lever		
VM230-02-30BA		Black (mushroom) push button		
VM230-02-30RA		Red (mushroom) push button		
VM230-02-33A		Push button (Flush)		
VM230-02-34BA		Black twist selector		
VM230-02-36A		Twist selector with key		
VM230-02-35BA		Twist selector (3 position)		
VM230-02-40A		Foot pedal (2 position)		
XT34-67		Foot pedal (5/2 position)		

**Mechanically/Manually Operated
3 Port Valves
Series VM400**



- 3 port switching valve, port size Rc1/8".
- Robust poppet valve design.
- Limit switch and manual switch mounted with a basic valve using a modular stacking system.
- Superior flow capacity for a low height.
- N.C. and N.O. version available.

Part Number	Circuit Symbols	Actuator	Operating Pressure Range	Flow (Nl/min)
VM430-01-00		Basic valve	0~1.0MPa	370
VM430-01-01		Roller lever		
VM430-01-02		One way roller lever		
VM430-01-08		Toggle lever		
VM430-01-30BA		Black (mushroom) push button		
VM430-01-30RA		Red (mushroom) push button		
VM430-01-33		Push button (Flush)		
VM430-01-34BA		Black twist selector		
VM430-01-36		Twist selector with key		

Manually Operated 4 Port Valves Series VH



- Robust, 4 port manual lever valve, reliable round seal design.
- Variety of port sizes.
- Body for panel assembly or direct mounting.
- Stepless and crack adjustment of the flow from zero to the maximum via the lever's rotation angle.
- Pressure or exhaust centre for both cylinders.
- The cylinder may be positioned at the valve's center.

Part Number	Circuit Symbols	Type of Actuation	Operating Pressure Range	Port Size Rc	Flow Nl/min (Cv)
VH212-02		4 position	1MPa	1/4	393 (0.4)
VH312-03				3/8	885 (0.9)
VH412-04				1/2	3.050 (3.1)
VH412-06				3/4	3.149 (3.2)
VH210-02		4 Closed centre	1MPa	1/4	393 (0.4)
VH310-03				3/8	885 (0.9)
VH410-04				1/2	3.050 (3.1)
VH410-06				3/4	3.149 (3.2)
VH600-06		4 Exhaust centre	0.7 MPa	3/4	10.037 (10.2)
VH600-10				1	10.332 (10.5)
VH211-02		4 Exhaust centre	1MPa	1/4	393 (0.4)
VH311-03				3/8	885 (0.9)
VH411-04				1/2	3.050 (3.1)
VH411-06				3/4	3.149 (3.2)

Manually Operated 2 Port Valves Series VHK



- Switch valve, compact design with 2 or 3 port function.
- Sizes from Ø 4-12 mm with superior flow capacity.
- Being made of lightweight plastic, and having integral hose connections, it can be mounted directly in the piping (push in).
- Body with mounting holes.

Part Number	Circuit Symbols	Operating Pressure Range	Standard Type	Port Size	Bracket
VHK3-04F-04F		1MPa	 Push-in port size	Ø 4	VHK-B1A
VHK3-06F-06F				Ø 6	
VHK3-08F-08F				Ø 8	
VHK3-10F-10F				Ø 10	
VHK3-12F-12F			Ø 12	VHK-B2A	
VHK3-M5-M5			M5 x 0,8		
VHK3-01S-01S			Rc1/8		
VHK3-02S-02S			Rc1/4	VHK-B1A	
VHK3-03S-03S			Rc3/8		
VHK3-04S-04S			Rc1/2	VHK-B2A	

2 port function on request
Other thread and push-in combinations on request

3 Port Valves for Residual Pressure Release Series VHS



- With the use of a 3-port valve for residual pressure release, pressure left in the line can be easily exhausted.

Part Number	Symbol	Port Size Rc	Port Size Exhaust release Rc	Flow (Cv) P→A (A→R)	For Modular Series
VHS20-01B		1/8	1/8	.65 (.69)	20
VHS20-02B		1/4	1/8	.88 (.84)	20
VHS30-03B		3/8	1/4	2.3 (1.9)	30
VHS40-04B		1/2	3/8	3.8 (3.6)	40
VHS50-06B		3/4	1/2	6.4 (5.9)	50/60
VHS50-10B		1	1/2	8.6 (6.4)	50/60

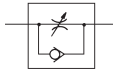


FLOW CONTROLS

Flow Controllers Series AS



- 4 sizes.
- Suitable for polyurethane and nylon tubes.
- 360° rotation.
- Precise adjustment using special throttle pin shape and fine thread.
- Easy to mount.
- Teflon-coated connection thread (gasket for M3, M5).

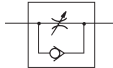
Part Number (Elbow Type)	Port Size	Tube ø (mm)	Flow 1) (ℓ/min)	Circuit Symbol
AS1201F-M3-02A	M3	2	72	
AS1201F-M5-02A	M5	2	72	
AS1201F-M3-23A	M3	3.2	72	
AS1201F-M3-04A		4	72	
AS1201F-M5-23A	M5	3.2	108	
AS1201F-M5-04A		4	108	
AS1201F-M5-06A		6	108	
AS2201F-01-04SA	R1/8	4	252	
AS2201F-01-06SA		6	288	
AS2201F-01-08SA		8	288	
AS2201F-02-06SA	R1/4	6	468	
AS2201F-02-08SA		8	468	
AS3201F-03-08SA	R3/8	8	864	
AS3201F-03-10SA		10	1188	
AS4201F-04-10SA	R1/2	10	1584	
AS4201F-04-12SA		12	1724	

• Meter-in control option also available.
1) At 0.5 MPa set pressure

Stainless Steel Flow Controllers Series ASG



- SUS316 and special FKM construction to improve the resistance to corrosion.
- Elbow design to allow the rotation of the tubing connection ports and suit installation to air cylinders.
- Meter-in and meter-out type control.
- One-touch fittings and 5 body sizes.
- Applicable tubing: FEP, PFA, Nylon, Soft nylon, Polyurethane and Polyolefin.

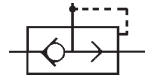
Part Number (Elbow Type)	Port Size	Tube ø (mm)	Flow 1) (ℓ/min)	Circuit Symbol
ASG220F-M5-04	M5	4	100	
ASG220F-M5-06	M5	6	100	
ASG320F-01-04S	R1/8	4	180	
ASG320F-01-06S	R1/8	6	230	
ASG320F-01-08S	R1/8	8	230	
ASG420F-02-06S	R1/4	6	390	
ASG420F-02-08S	R1/4	8	460	
ASG420F-02-10S	R1/4	10	460	
ASG520F-03-08S	R3/8	8	790	
ASG520F-03-10S	R3/8	10	920	
ASG520F-03-12S	R3/8	12	920	
ASG620F-04-12S	R1/2	12	1580	

• Meter-in control option also available
1) Measured at 0.5 MPa and 20°C.

Quick Exhaust Valves Series AQ



- Large exhaust capacity.
- Port thread M5 to G3/4".
- Superior flow capacity.

Part Number	Port Size	Effective Area (mm ²)		Circuit Symbol
		IN⇒OUT	OUT⇒Exh.	
AQ1500-M5	M5	2	2,8	
AQ1510-01	Rc1/8	4	5,8	
AQ2000-01	Rc1/8	25	25	
AQ2000-02	Rc1/4	35	40	
AQ3000-03	Rc3/8	60	70	
AQ5000-04	Rc1/2	105	115	
AQ5000-06	Rc3/4	135	180	



CYLINDERS

**Standard Cylinders ISO/CETOP
Series C85
DIN-ISO 6432**



- Single or double acting.
- Cylinders with adjustable cushion from Ø 10 mm.
- Cylinder body made from corrosion resistant materials.
- Two options for autoswitch mounting possible using band or rail.
- Special seals fitted as standard for oil-free operation.

A wide variety of different designs are available, such as double piston rods, alternative cylinder head cover designs, without magnet, single-acting, etc.

Standard cylinder, double-acting built-in magnet, rubber bumper

Cylinder Ø (mm)	Standard Strokes (mm)	Part Number with Auto Switch Mounting Style Band Mounting	Circuit Symbol
8	10, 25, 40, 50, 80, 100 (Max.400)	CD85N8-[*]-B	
10		CD85N10-[*]-B	
12	10, 25, 40, 50, 80, 100, 125, 160, 200, (max. 400)	CD85N12-[*]-B	
16		CD85N16-[*]-B	
20	10, 25, 40, 50, 80, 100, 125, 160, 200, 250, 300, (max. 1000)	CD85N20-[*]-B	
25		CD85N25-[*]-B	

[*] Stroke length

Double-acting, adjustable cushion, built-in magnet

Bore Size (mm)	Standard Strokes (mm)	Part Number with Auto Switch Mounting Style Band Mounting	Circuit Symbol
10	10, 25, 40, 50, 80, 100 (Max.400)	CD85N10-[*]C-B	
12	10, 25, 40, 50, 80, 100, 125, 160, 200 (max. 400)	CD85N12-[*]C-B	
16		CD85N16-[*]C-B	
20	10, 25, 40, 50, 80, 100, 125, 160, 200, 250, 300 (max. 1000)	CD85N20-[*]C-B	
25		CD85N25-[*]C-B	

[*] Stroke length

Mounting band and switch holder for auto switch mounting

Bore size						
8	10	12	16	20	25	
BJ2-008	BJ2-010	BJ2-012	BJ2-016	BM2-020	BM2-025	Mounting band
BJ3-1						Switch holder

Possible auto switches

Band mounting

Reed 2-wire	D-A93Z (Bore size 16, 20, 25 only)
Solid state 2-wire	D-M9BZ
Solid state 3-wire NPN	D-M9NZ
Solid state 2-wire PNP	D-M9PZ

Accessories C85

Ø (mm)	Foot (1 pc.)	Foot (2 pcs.) + 1 nut	Flange	Trunnion	Clevis	Single Knuckle Joint	Double Knuckle Joint	Floating Joint
8								
10	C85L10A	C85L10B	C85F10	C85T10	C85C10	KJ4D	GKM4-8	JA10-4-070
12	C85L16A	C85L16B	C85F16	C85T16	C85C16	KJ6D	GKM6-12	JA15-6-100
16								
20	C85L25A	C85L25B	C85F25	C85T25	C85C25	KJ8D	GKM8-16	JA20-8-125
25						KJ10D	GKM10-20	JA30-10-125

Standard ISO Round Tube Cylinders Series C96

NEW



- ISO15552 standard cylinders in tie rod design with standard outside.
- Bore sizes ø32-125 mm.
- Easy adjustment of the cushion valve.
- End of stroke air cushion provides smooth operation.
- Minimum piston rod deflection.
- Improved mounting accuracy.
- Maximum flexibility for auto-switch mounting.

Bore Size (mm)	Piston Rod ø (mm)	Rod End Thread	Port Size	Operating Pressure Range	Cylinder Speed
32	12	M10x1,25	G1/8	0,05~1MPa	50 ~ 1.000 mm/s
40	16	M12x1,25	G1/4		
50	20	M16x1.5	G1/4		
63	20	M16x1.5	G3/8		
80	25	M20x1,5	G3/8		
100	30	M20x1,5	G1/2		
125	32	M27x2	G1/2		
					50 ~ 700 mm/s

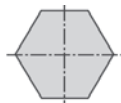
Part Number	Bore Size (mm)	□ Standard Strokes
C96SDB32-□	32	25, 50, 80, 100, 125, 160, 200, 250, 320, 400, 500
C96SDB40-□	40	25, 50, 80, 100, 125, 160, 200, 250, 320, 400, 500
C96SDB50-□	50	25, 50, 80, 100, 125, 160, 200, 250, 320, 400, 500, 600
C96SDB63-□	63	25, 50, 80, 100, 125, 160, 200, 250, 320, 400, 500, 600
C96SDB80-□	80	25, 50, 80, 100, 125, 160, 200, 250, 320, 400, 500, 600, 700, 800
C96SDB100-□	100	25, 50, 80, 100, 125, 160, 200, 250, 320, 400, 500, 600, 700, 800
C96SDB125-□	125	Made to order

□ Stroke length

Other design variations, such as, for example non-rotating piston rod, dual stroke cylinders, heat and cold resistant cylinders, etc. are available.

Auto switch mounting bracket

Bore size						
32	40	50	63	80	100	125
BMB5-032		BA7-040		BA7-063		BA7-080



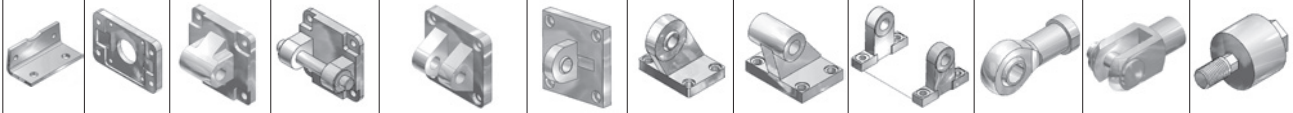
Piston rod of the C96K, non-rotating

Possible auto switches

Reed 2-wire	D-A93Z
Solid state 2-wire	D-M9BZ
Solid state 3-wire NPN	D-M9NZ
Solid state 3-wire PNP	D-M9PZ

Mounting Bracket for C96

Bore size (mm)	Foot (2 pc.)	Flange	Single rear clevis	Double rear clevis	Double rear clevis (for ES accessory)	Single rear clevis with ball joint	Angled rear clevis with ball joint	Angled rear clevis	Trunnion pivot bracket	Single Knuckle Joint (ISO 8139)	Double Knuckle Joint (ISO 8140)	Flotating Joint
32	L5032	F5032	C5032	D5032	DS5032	CS5032	ES5032	E5032	C95-S03	KJ10D	GKM10-20	JA30-10-125
40	L5040	F5040	C5040	D5040	DS5040	CS5040	ES5040	E5040	C95-S04	KJ12D	GKM12-24	JA40-12-125
50	L5050	F5050	C5050	D5050	DS5050	CS5050	ES5050	E5050	C95-S04	KJ16D	GKM16-32	JA50-16-150
63	L5063	F5063	C5063	D5063	DS5063	CS5063	ES5063	E5063	C95-S06	KJ16D	GKM16-32	JA50-16-150
80	L5080	F5080	C5080	D5080	DS5080	CS5080	ES5080	E5080	C95-S06	KJ20D	GKM20-40	JAH50-20-150
100	L5100	F5100	C5100	D5100	DS5100	CS5100	ES5100	E5100	C95-S10	KJ20D	GKM20-40	JAH50-20-150
125	L5125	F5125	C5125	D5125	DS5125	CS5125	ES5125	E5125	C95-S10	KJ27D	GKM30-54	JA125-27-200

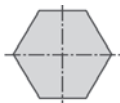


**Standard ISO Profile
Tube Cylinders
Series CP96** NEW



- ISO15552 standard cylinders in profile design with integrated tie-rods.
- Bore sizes ø32-125 mm.
- Easy adjustment of the cushion valve.
- End of stroke air cushion provides smooth operation.
- Minimum piston rod deflection.
- Improved mounting accuracy.
- Maximum flexibility for auto-switch mounting.

Other design variations, such as, for example non-rotating piston rod, dual stroke cylinders, heat and cold resistant cylinders, etc. are available.



Piston rod of the CP96K, non-rotating

Bore Size (mm)	Piston Rod Ø (mm)	Rod End Thread	Port Sizes	Cushion Stroke (mm)	Operating Pressure Range
32	12	M10x1,25	G1/8	19	0.05 - 1 MPa
40	16	M12x1,25	G1/4	19	
50	20	M16x1.5	G1/4	24	
63	20	M16x1.5	G3/8	24	
80	25	M20x1,5	G3/8	30	
100	30	M20x1,5	G1/2	30	
125	32	M27x2	G1/2	31	

Part Number	Bore Size (mm)	□ Standard Strokes
CP96SDB32-□	32	25, 50, 80, 100, 125, 160, 200, 250, 320, 400, 500
CP96SDB40-□	40	25, 50, 80, 100, 125, 160, 200, 250, 320, 400, 500
CP96SDB50-□	50	25, 50, 80, 100, 125, 160, 200, 250, 320, 400, 500, 600
CP96SDB63-□	63	25, 50, 80, 100, 125, 160, 200, 250, 320, 400, 500, 600
CP96SDB80-□	80	25, 50, 80, 100, 125, 160, 200, 250, 320, 400, 500, 600, 700, 800
CP96SDB100-□	100	25, 50, 80, 100, 125, 160, 200, 250, 320, 400, 500, 600, 700, 800
CP96SDB125-□	125	Made to order

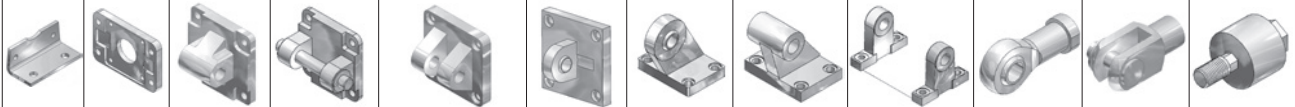
□ Stroke length

Possible auto switches

Reed 2-wire	D-A93Z
Solid state 2-wire	D-M9BZ
Solid state 3-wire NPN	D-M9NZ
Solid state 3-wire PNP	D-M9PZ

Mounting Bracket for CP96

Bore size (mm)	Foot (2 pc.)	Flange	Single rear clevis	Double rear clevis	Double rear clevis (for ES accessory)	Single rear clevis with ball joint	Angled rear clevis with ball joint	Angled rear clevis	Trunnion pivot bracket	Single Knuckle Joint (ISO 8139)	Double Knuckle Joint (ISO 8140)	Flotating Joint
32	L5032	F5032	C5032	D5032	DS5032	CS5032	ES5032	E5032	C95-S03	KJ10D	GKM10-20	JA30-10-125
40	L5040	F5040	C5040	D5040	DS5040	CS5040	ES5040	E5040	C95-S04	KJ12D	GKM12-24	JA40-12-125
50	L5050	F5050	C5050	D5050	DS5050	CS5050	ES5050	E5050	C95-S04	KJ16D	GKM16-32	JA50-16-150
63	L5063	F5063	C5063	D5063	DS5063	CS5063	ES5063	E5063	C95-S06	KJ16D	GKM16-32	JA50-16-150
80	L5080	F5080	C5080	D5080	DS5080	CS5080	ES5080	E5080	C95-S06	KJ20D	GKM20-40	JAH50-20-150
100	L5100	F5100	C5100	D5100	DS5100	CS5100	ES5100	E5100	C95-S10	KJ20D	GKM20-40	JAH50-20-150
125	L5125	F5125	C5125	D5125	DS5125	CS5125	ES5125	E5125	C95-S10	KJ27D	GKM30-54	JA125-27-200






FITTINGS, BLOW GUNS & TUBING

One-touch Fittings
Series KQ2

- Quick mounting/removal
- For vacuum, compressed air and water
- Suitable for polyurethane and nylon tubes

Male Connector KQ2H




R ØD

Part No.	R	ØD
KQ2H23-M5N	*M5	3.2
KQ2H23-01NS	R1/8	3.2
KQ2H23-02NS	R1/4	3.2
KQ2H04-M5N	*M5	4
KQ2H04-01NS	R1/8	4
KQ2H04-02NS	R1/4	4
KQ2H06-M5N	*M5	6
KQ2H06-01NS	R1/8	6
KQ2H06-02NS	R1/4	6
KQ2H06-03NS	R3/8	6
KQ2H08-01NS	R1/8	8
KQ2H08-02NS	R1/4	8
KQ2H08-03NS	R3/8	8
KQ2H10-01NS	R1/8	10
KQ2H10-02NS	R1/4	10
KQ2H10-03NS	R3/8	10
KQ2H10-04NS	R1/2	10
KQ2H12-02NS	R1/4	12
KQ2H12-03NS	R3/8	12
KQ2H12-04NS	R1/2	12
KQ2H16-03NS	R3/8	16
KQ2H16-04NS	R1/2	16

* with gasket

Hexagon Socket Head Male Connector KQ2S




R ØD

Part No.	R	ØD
KQ2S04-M5N	*M5	4
KQ2S04-01NS	R1/8	4
KQ2S06-M5N	*M5	6
KQ2S06-01NS	R1/8	6
KQ2S06-02NS	R1/4	6
KQ2S08-01NS	R1/8	8
KQ2S08-02NS	R1/4	8
KQ2S08-03NS	R3/8	8
KQ2S10-01NS	R1/8	10
KQ2S10-02NS	R1/4	10
KQ2S10-03NS	R3/8	10
KQ2S10-04NS	R1/2	10
KQ2S12-02NS	R1/4	12
KQ2S12-03NS	R3/8	12
KQ2S12-04NS	R1/2	12
KQ2S16-03NS	R3/8	16
KQ2S16-04NS	R1/2	16

* with gasket


Female connector KQ2F



Rc ØD

Part No.	Rc	ØD
KQ2F04-01N	Rc1/8	4
KQ2F04-02N	Rc1/4	4
KQ2F06-01N	Rc1/8	6
KQ2F06-02N	Rc1/4	6
KQ2F06-03N	Rc3/8	6
KQ2F08-01N	Rc1/8	8
KQ2F08-02N	Rc1/4	8
KQ2F08-03N	Rc3/8	8
KQ2F10-02N	Rc1/4	10
KQ2F10-03N	Rc3/8	10
KQ2F12-02N	Rc1/4	12
KQ2F12-03N	Rc3/8	12
KQ2F12-04N	Rc1/2	12
KQ2F16-03N	Rc3/8	16
KQ2F16-04N	Rc1/2	16


Straight Union KQ2H



ØD ØD

Part No.	ØD	ØD
KQ2H23-00A	3.2	3.2
KQ2H04-00A	4	4
KQ2H06-00A	6	6
KQ2H08-00A	8	8
KQ2H10-00A	10	10
KQ2H12-00A	12	12
KQ2H16-00A	16	16

45° Male Elbow KQ2K




R ØD

Part No.	R	ØD
KQ2K04-M5N	*M5	4
KQ2K04-01NS	R1/8	4
KQ2K04-02NS	R1/4	4
KQ2K06-M5N	*M5	6
KQ2K06-01NS	R1/8	6
KQ2K06-02NS	R1/4	6
KQ2K06-03NS	R3/8	6
KQ2K08-01NS	R1/8	8
KQ2K08-02NS	R1/4	8
KQ2K08-03NS	R3/8	8
KQ2K10-01NS	R1/8	10
KQ2K10-02NS	R1/4	10
KQ2K10-03NS	R3/8	10
KQ2K10-04NS	R1/2	10
KQ2K12-02NS	R1/4	12
KQ2K12-03NS	R3/8	12
KQ2K12-04NS	R1/2	12
KQ2K16-03NS	R3/8	16
KQ2K16-04NS	R1/2	16

* with gasket

Male Elbow KQ2L




ØD R

Part No.	R	ØD
KQ2L23-M5N	*M5	3.2
KQ2L23-01NS	R1/8	3.2
KQ2L23-02NS	R1/4	3.2
KQ2L04-M5N	*M5	4
KQ2L04-01NS	R1/8	4
KQ2L04-02NS	R1/4	4
KQ2L06-M5N	*M5	6
KQ2L06-01NS	R1/8	6
KQ2L06-02NS	R1/4	6
KQ2L06-03NS	R3/8	6
KQ2L08-01NS	R1/8	8
KQ2L08-02NS	R1/4	8
KQ2L08-03NS	R3/8	8
KQ2L10-01NS	R1/8	10
KQ2L10-02NS	R1/4	10
KQ2L10-03NS	R3/8	10
KQ2L10-04NS	R1/2	10
KQ2L12-02NS	R1/4	12
KQ2L12-03NS	R3/8	12
KQ2L12-04NS	R1/2	12
KQ2L16-03NS	R3/8	16
KQ2L16-04NS	R1/2	16

* with gasket

Extended Male Elbow KQ2W




R R ØD

Part No.	R	R	ØD
KQ2W23-M5N	*M5		3.2
KQ2W23-01NS	R1/8		3.2
KQ2W23-02NS	R1/4		3.2
KQ2W04-M5N	*M5		4
KQ2W04-01NS	R1/8		4
KQ2W04-02NS	R1/4		4
KQ2W06-M5N	*M5		6
KQ2W06-01NS	R1/8		6
KQ2W06-02NS	R1/4		6
KQ2W06-03NS	R3/8		6
KQ2W08-01NS	R1/8		8
KQ2W08-02NS	R1/4		8
KQ2W08-03NS	R3/8		8
KQ2W10-02NS	R1/4		10
KQ2W10-03NS	R3/8		10
KQ2W10-04NS	R1/2		10
KQ2W12-02NS	R1/4		12
KQ2W12-03NS	R3/8		12
KQ2W12-04NS	R1/2		12
KQ2W16-03NS	R3/8		16
KQ2W16-04NS	R1/2		16

* with gasket

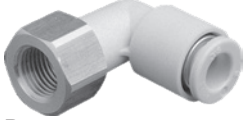
Different Diameter Straight KQ2H



Ød ØD

Part No.	Ød	ØD
KQ2H23-04A	3.2	4
KQ2H04-06A	4	6
KQ2H06-08A	6	8
KQ2H08-10A	8	10
KQ2H10-12A	10	12
KQ2H12-16A	12	16


Female Elbow KQ2LF



Rc ØD

Part No.	Rc	ØD
KQ2LF04-M5N	M5	4
KQ2LF04-01N	Rc1/8	4
KQ2LF04-02N	Rc1/4	4
KQ2LF06-M5N	M5	6
KQ2LF06-01N	Rc1/8	6
KQ2LF06-02N	Rc1/4	6
KQ2LF06-03N	Rc3/8	6
KQ2LF08-01N	Rc1/8	8
KQ2LF08-02N	Rc1/4	8
KQ2LF08-03N	Rc3/8	8
KQ2LF10-02N	Rc1/4	10
KQ2LF10-03N	Rc3/8	10
KQ2LF10-04N	Rc1/2	10
KQ2LF12-02N	Rc1/4	12
KQ2LF12-03N	Rc3/8	12
KQ2LF12-04N	Rc1/2	12

Universal Male Elbow KQ2V




ØD R

Part No.	R	ØD
KQ2V04-M5N	*M5	4
KQ2V04-01NS	R1/8	4
KQ2V06-M5N	*M5	6
KQ2V06-01NS	R1/8	6
KQ2V06-02NS	R1/4	6
KQ2V08-01NS	R1/8	8
KQ2V08-02NS	R1/4	8
KQ2V08-03NS	R3/8	8
KQ2V10-02NS	R1/4	10
KQ2V10-03NS	R3/8	10
KQ2V12-03NS	R3/8	12
KQ2V12-04NS	R1/2	12
KQ2V16-03NS	R3/8	16
KQ2V16-04NS	R1/2	16

* with gasket

Hexagon Socket Head Universal Male Elbow KQ2VS




ØD R

Part No.	R	ØD
KQ2VS04-M5N	*M5	4
KQ2VS04-01NS	R1/8	4
KQ2VS06-M5N	*M5	6
KQ2VS06-01NS	R1/8	6
KQ2VS06-02NS	R1/4	6
KQ2VS08-01NS	R1/8	8
KQ2VS08-02NS	R1/4	8
KQ2VS08-03NS	R3/8	8
KQ2VS10-02NS	R1/4	10
KQ2VS10-03NS	R3/8	10
KQ2VS12-03NS	R3/8	12
KQ2VS12-04NS	R1/2	12

* with gasket

Universal Female Elbow KQ2VF




ØD R Rc

Part No.	R, Rc	ØD
KQ2VF04-M5N	*M5	4
KQ2VF04-01NS	1/8	4
KQ2VF06-M5N	*M5	6
KQ2VF06-01NS	1/8	6
KQ2VF06-02NS	1/4	6
KQ2VF08-01NS	1/8	8
KQ2VF08-02NS	1/4	8
KQ2VF08-03NS	3/8	8
KQ2VF10-02NS	1/4	10
KQ2VF10-03NS	3/8	10
KQ2VF12-03NS	3/8	12
KQ2VF12-04NS	1/2	12

* with gasket


Union Tee KQ2T



ØD ØD ØD

Part No.	ØD	ØD
KQ2T23-00A	3,2	3,2
KQ2T04-00A	4	4
KQ2T06-00A	6	6
KQ2T08-00A	8	8
KQ2T10-00A	10	10
KQ2T12-00A	12	12
KQ2T16-00A	16	16


Different Diameter Tee KQ2T



Ød ØD ØD

Part No.	Ød	ØD
KQ2T23-04A	3,2	4
KQ2T04-06A	4	6
KQ2T06-08A	6	8
KQ2T08-10A	8	10
KQ2T10-12A	10	12
KQ2T12-16A	12	16

Male Branch Tee KQ2T




ØD R ØD

Part No.	R	ØD
KQ2T23-M5N	*M5	3,2
KQ2T23-01NS	R1/8	3,2
KQ2T23-02NS	R1/4	3,2
KQ2T04-M5N	*M5	4
KQ2T04-01NS	R1/8	4
KQ2T04-02NS	R1/4	4
KQ2T06-M5N	*M5	6
KQ2T06-01NS	R1/8	6
KQ2T06-02NS	R1/4	6
KQ2T06-03NS	R3/8	6
KQ2T08-01NS	R1/8	8
KQ2T08-02NS	R1/4	8
KQ2T08-03NS	R3/8	8
KQ2T10-01NS	R1/8	10
KQ2T10-02NS	R1/4	10
KQ2T10-03NS	R3/8	10
KQ2T10-04NS	R1/2	10
KQ2T12-02NS	R1/4	12
KQ2T12-03NS	R3/8	12
KQ2T12-04NS	R1/2	12
KQ2T16-03NS	R3/8	16
KQ2T16-04NS	R1/2	16

* with gasket

Male Run Tee KQ2Y

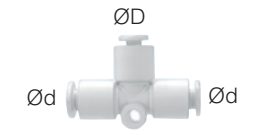


ØD R ØD

Part No.	R	ØD
KQ2Y23-M5N	*M5	3,2
KQ2T23-01NS	R1/8	3,2
KQ2Y23-02NS	R1/4	3,2
KQ2Y04-M5N	*M5	4
KQ2Y04-01NS	R1/8	4
KQ2Y04-02NS	R1/4	4
KQ2Y06-M5N	*M5	6
KQ2Y06-01NS	R1/8	6
KQ2Y06-02NS	R1/4	6
KQ2Y06-03NS	R3/8	6
KQ2Y08-01NS	R1/8	8
KQ2Y08-02NS	R1/4	8
KQ2Y08-03NS	R3/8	8
KQ2Y10-01NS	R1/8	10
KQ2Y10-02NS	R1/4	10
KQ2Y10-03NS	R3/8	10
KQ2Y10-04NS	R1/2	10
KQ2Y12-02NS	R1/4	12
KQ2Y12-03NS	R3/8	12
KQ2Y12-04NS	R1/2	12
KQ2Y16-03NS	R3/8	16
KQ2Y16-04NS	R1/2	16

* with gasket

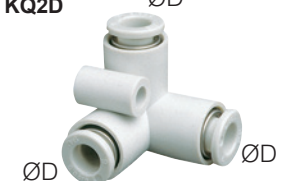
Different Diameter Tee KQ2T



ØD Ød ØD

Part No.	Ød	ØD
KQ2T06-04A	6	4
KQ2T08-06A	8	6
KQ2T10-08A	10	8
KQ2T12-10A	12	10

Delta Union KQ2D



ØD ØD ØD


Part No.	ØD	ØD
KQ2D04-00A	4	4
KQ2D06-00A	6	6
KQ2D08-00A	8	8
KQ2D10-00A	10	10
KQ2D12-00A	12	12

Union Elbow KQ2L




Part No.	ØD	ØD
KQ2L23-00A	3,2	3,2
KQ2L04-00A	4	4
KQ2L06-00A	6	6
KQ2L08-00A	8	8
KQ2L10-00A	10	10
KQ2L12-00A	12	12
KQ2L16-00A	16	16

Plug-in Elbow KQ2L




Part No.	ØD	ØD
KQ2L23-99A	3,2	3,2
KQ2L04-99A	4	4
KQ2L06-99A	6	6
KQ2L08-99A	8	8
KQ2L10-99A	10	10
KQ2L12-99A	12	12
KQ2L16-99A	16	16

Extended Plug-in Elbow KQ2W




Part No.	ØD	ØD
KQ2W23-99A	3,2	3,2
KQ2W04-99A	4	4
KQ2W06-99A	6	6
KQ2W08-99A	8	8
KQ2W10-99A	10	10
KQ2W12-99A	12	12

Reducer Elbow KQ2L




Part No.	Ød	ØD
KQ2L23-04A	3,2	4
KQ2L04-06A	4	6
KQ2L04-08A	4	8
KQ2L06-08A	6	8
KQ2L06-10A	6	10
KQ2L08-10A	8	10
KQ2L08-12A	8	12
KQ2L10-12A	10	12
KQ2L12-16A	12	16

Union «Y» KQ2U




Part No.	ØD	ØD
KQ2U23-00A	3,2	3,2
KQ2U04-00A	4	4
KQ2U06-00A	6	6
KQ2U08-00A	8	8
KQ2U10-00A	10	10
KQ2U12-00A	12	12
KQ2U16-00A	16	16

Different Diameter Union «Y» KQ2U




Part No.	Ød	ØD
KQ2U23-04A	3,2	4
KQ2U04-06A	4	6
KQ2U06-08A	6	8
KQ2U08-10A	8	10
KQ2U10-12A	10	12
KQ2U12-16A	12	16

Plug-in «Y» KQ2U




Part No.	ØD	ØD
KQ2U23-99A	3,2	3,2
KQ2U04-99A	4	4
KQ2U06-99A	6	6
KQ2U08-99A	8	8
KQ2U10-99A	10	10
KQ2U12-99A	12	12
KQ2U16-99A	16	16

Different Diameter Plug-in «Y» KQ2X



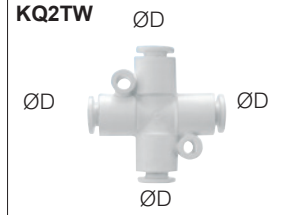
Part No.	Ød	ØD
KQ2X04-06A	4	6
KQ2X06-08A	6	8
KQ2X08-10A	8	10
KQ2X10-12A	10	12

Branch Union Elbow KQ2LU



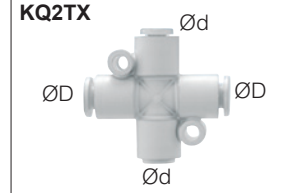
Part No.	ØD	ØD
KQ2LU04-00A	4	4
KQ2LU06-00A	6	6
KQ2LU08-00A	8	8
KQ2LU10-00A	10	10
KQ2LU12-00A	12	12

Cross KQ2TW



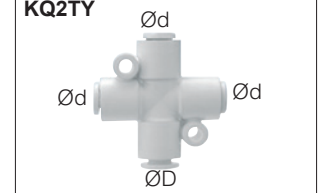
Part No.	ØD
KQ2TW04-00A	4
KQ2TW06-00A	6
KQ2TW08-00A	8
KQ2TW10-00A	10
KQ2TW12-00A	12

Different Diameter Cross KQ2TX



Part No.	Ød	ØD
KQ2TX06-08A	6	8
KQ2TX08-10A	8	10
KQ2TX10-12A	10	12

Different Diameter Cross KQ2TY



Part No.	Ød	ØD
KQ2TY06-08A	6	8
KQ2TY08-10A	8	10
KQ2TY10-12A	10	12

Branch «Y» KQ2U



Part No.	R	ØD
KQ2U23-M5N	*M5	3,2
KQ2U23-01NS	R1/8	3,2
KQ2U23-02NS	R1/4	3,2
KQ2U04-M5N	*M5	4
KQ2U04-01NS	R1/8	4
KQ2U04-02NS	R1/4	4
KQ2U06-M5N	*M5	6
KQ2U06-01NS	R1/8	6
KQ2U06-02NS	R1/4	6
KQ2U06-03NS	R3/8	6
KQ2U08-01NS	R1/8	8
KQ2U08-02NS	R1/4	8
KQ2U08-03NS	R3/8	8
KQ2U10-02NS	R1/4	10
KQ2U10-03NS	R3/8	10
KQ2U10-04NS	R1/2	10
KQ2U12-02NS	R1/4	12
KQ2U12-03NS	R3/8	12
KQ2U12-04NS	R1/2	12
KQ2U16-03NS	R3/8	16
KQ2U16-04NS	R1/2	16

* with gasket

Plug-in reducer KQ2R



Part No.	Ød	ØD
KQ2R23-04A	3,2	4
KQ2R04-06A	4	6
KQ2R04-08A	4	8
KQ2R04-10A	4	10
KQ2R06-04A	6	4
KQ2R06-08A	6	8
KQ2R06-10A	6	10
KQ2R06-12A	6	12
KQ2R08-10A	8	10
KQ2R08-12A	8	12
KQ2R10-12A	10	12
KQ2R10-16A	10	16
KQ2R12-16A	12	16

Adaptor KQ2N



Part No.	R	ØD
KQ2N04-M5N	*M5	4
KQ2N04-01NS	R1/8	4
KQ2N06-M5N	*M5	6
KQ2N06-01NS	R1/8	6
KQ2N06-02NS	R1/4	6
KQ2N08-02NS	R1/4	8
KQ2N08-03NS	R3/8	8
KQ2N10-03NS	R3/8	10

* with gasket

Bulkhead Union KQ2E



Part No.	ØD	ØD
KQ2E23-00N	3,2	3,2
KQ2E04-00N	4	4
KQ2E06-00N	6	6
KQ2E08-00N	8	8
KQ2E10-00N	10	10
KQ2E12-00N	12	12
KQ2E16-00N	16	16

Tube Cap KQ2C



Part No.	ØD
KQ2C04-00A	4
KQ2C06-00A	6
KQ2C08-00A	8
KQ2C10-00A	10
KQ2C12-00A	12
KQ2C16-00A	16

Nipple KQ2N



Part No.	ØD	ØD
KQ2N04-99A	4	4
KQ2N06-99A	6	6
KQ2N08-99A	8	8
KQ2N10-99A	10	10
KQ2N12-99A	12	12
KQ2N16-99A	16	16

Reducer Nipple KQ2N



Part No.	Ød	ØD
KQ2N04-06	4	6
KQ2N06-08	6	8
KQ2N08-10	8	10
KQ2N10-12	10	12
KQ2N12-16	12	16

Bulkhead Connector KQ2E



Part No.	Rc	ØD
KQ2E23-02N	Rc1/4	3,2
KQ2E04-01N	Rc1/8	4
KQ2E04-02N	Rc1/4	4
KQ2E06-01N	Rc1/8	6
KQ2E06-02N	Rc1/4	6
KQ2E06-03N	Rc3/8	6
KQ2E08-01N	Rc1/8	8
KQ2E08-02N	Rc1/4	8
KQ2E08-03N	Rc3/8	8
KQ2E10-02N	Rc1/4	10
KQ2E10-03N	Rc3/8	10
KQ2E12-03N	Rc3/8	12
KQ2E12-04N	Rc1/2	12
KQ2E16-03N	Rc3/8	16
KQ2E16-04N	Rc1/2	16

Plug KQ2P



Part No.	ØD
KQ2P-23	3,2
KQ2P-04	4
KQ2P-06	6
KQ2P-08	8
KQ2P-10	10
KQ2P-12	12
KQ2P-16	16

Double Plug-in «Y» KQ2XD



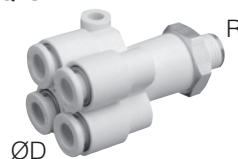
Part No.	Ød	ØD
KQ2XD04-06A	4	6
KQ2XD06-08A	6	8

Different Diameter Double Union «Y» KQ2UD



Part No.	Ød	ØD
KQ2UD04-06A	4	6
KQ2UD06-08A	6	8

Delta Branch KQ2UD



Part No.	R	ØD
KQ2UD04-01NS	R1/8	4
KQ2UD04-02NS	R1/4	4
KQ2UD06-01NS	R1/8	6
KQ2UD06-02NS	R1/4	6

Bulkhead Male Elbow KQ2LE



Part No.	ØD	ØD
KQ2LE04-00N	4	4
KQ2LE06-00N	6	6
KQ2LE08-00N	8	8
KQ2LE10-00N	10	10
KQ2LE12-00N	12	12

Branch Universal Male Elbow KQ2Z



Part No.	R	ØD
KQ2Z04-M5N	*M5	4
KQ2Z04-01NS	R1/8	4
KQ2Z06-01NS	R1/8	6
KQ2Z06-02NS	R1/4	6
KQ2Z06-03NS	R3/8	6
KQ2Z08-01NS	R1/8	8
KQ2Z08-02NS	R1/4	8
KQ2Z08-03NS	R3/8	8
KQ2Z10-02NS	R1/4	10
KQ2Z10-03NS	R3/8	10
KQ2Z12-03NS	R3/8	12
KQ2Z12-04NS	R1/2	12

* with gasket

Branch Universal Female Elbow KQ2ZF



Part No.	R, Rc	ØD
KQ2ZF04-M5N	*M5	4
KQ2ZF04-01NS	1/8	4
KQ2ZF06-01NS	1/8	6
KQ2ZF06-02NS	1/4	6
KQ2ZF08-01NS	1/8	8
KQ2ZF08-02NS	1/4	8
KQ2ZF10-02NS	1/4	10
KQ2ZF12-03NS	3/8	12
KQ2ZF12-04NS	1/2	12

* with gasket

Male Branch Connector KQ2LU



Part No.	R	ØD
KQ2LU04-M5N	*M5	4
KQ2LU04-01NS	R1/8	4
KQ2LU04-02NS	R1/4	4
KQ2LU06-M5N	*M5	6
KQ2LU06-01NS	R1/8	6
KQ2LU06-02NS	R1/4	6
KQ2LU06-03NS	R3/8	6
KQ2LU08-01NS	R1/8	8
KQ2LU08-02NS	R1/4	8
KQ2LU08-03NS	R3/8	8
KQ2LU10-02NS	R1/4	10
KQ2LU10-03NS	R3/8	10
KQ2LU10-04NS	R1/2	10
KQ2LU12-02NS	R1/4	12
KQ2LU12-03NS	R3/8	12
KQ2LU12-04NS	R1/2	12

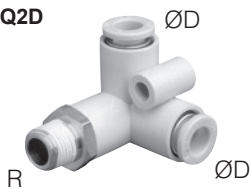
* with gasket

Double Universal Male Elbow KQ2VD



Part No.	R	ØD
KQ2VD04-01NS	R1/8	4
KQ2VD04-02NS	R1/4	4
KQ2VD04-03NS	R3/8	4
KQ2VD06-01NS	R1/8	6
KQ2VD06-02NS	R1/4	6
KQ2VD06-03NS	R3/8	6
KQ2VD08-01NS	R1/8	8
KQ2VD08-02NS	R1/4	8
KQ2VD08-03NS	R3/8	8
KQ2VD08-04NS	R1/2	8
KQ2VD10-02NS	R1/4	10
KQ2VD10-03NS	R3/8	10
KQ2VD10-04NS	R1/2	10
KQ2VD12-02NS	R1/4	12
KQ2VD12-03NS	R3/8	12
KQ2VD12-04NS	R1/2	12

Male delta Union KQ2D



Part No.	R	ØD
KQ2D04-M5N	*M5	4
KQ2D04-01NS	R1/8	4
KQ2D04-02NS	R1/4	4
KQ2D06-M5N	*M5	6
KQ2D06-01NS	R1/8	6
KQ2D06-02NS	R1/4	6
KQ2D06-03NS	R3/8	6
KQ2D08-01NS	R1/8	8
KQ2D08-02NS	R1/4	8
KQ2D08-03NS	R3/8	8
KQ2D10-02NS	R1/4	10
KQ2D10-03NS	R3/8	10
KQ2D10-04NS	R1/2	10
KQ2D12-02NS	R1/4	12
KQ2D12-03NS	R3/8	12
KQ2D12-04NS	R1/2	12

* with gasket

Triple Universal Male Elbow KQ2VT



Part No.	R	ØD
KQ2VT04-01NS	R1/8	4
KQ2VT04-02NS	R1/4	4
KQ2VT04-03NS	R3/8	4
KQ2VT06-01NS	R1/8	6
KQ2VT06-02NS	R1/4	6
KQ2VT06-03NS	R3/8	6
KQ2VT08-01NS	R1/8	8
KQ2VT08-02NS	R1/4	8
KQ2VT08-03NS	R3/8	8
KQ2VT08-04NS	R1/2	8
KQ2VT10-02NS	R1/4	10
KQ2VT10-03NS	R3/8	10
KQ2VT10-04NS	R1/2	10
KQ2VT12-02NS	R1/4	12
KQ2VT12-03NS	R3/8	12
KQ2VT12-04NS	R1/2	12

Double Branch Universal Male Elbow KQ2ZD



Part No.	R	ØD
KQ2ZD04-01NS	R1/8	4
KQ2ZD04-02NS	R1/4	4
KQ2ZD04-03NS	R3/8	4
KQ2ZD06-01NS	R1/8	6
KQ2ZD06-02NS	R1/4	6
KQ2ZD06-03NS	R3/8	6
KQ2ZD08-01NS	R1/8	8
KQ2ZD08-02NS	R1/4	8
KQ2ZD08-03NS	R3/8	8
KQ2ZD08-04NS	R1/2	8
KQ2ZD10-02NS	R1/4	10
KQ2ZD10-03NS	R3/8	10
KQ2ZD10-04NS	R1/2	10
KQ2ZD12-02NS	R1/4	12
KQ2ZD12-03NS	R3/8	12
KQ2ZD12-04NS	R1/2	12

Triple Branch Universal Male Elbow KQ2ZT



Part No.	R	ØD
KQ2ZT04-01NS	R1/8	4
KQ2ZT04-02NS	R1/4	4
KQ2ZT04-03NS	R3/8	4
KQ2ZT06-01NS	R1/8	6
KQ2ZT06-02NS	R1/4	6
KQ2ZT06-03NS	R3/8	6
KQ2ZT08-01NS	R1/8	8
KQ2ZT08-02NS	R1/4	8
KQ2ZT08-03NS	R3/8	8
KQ2ZT08-04NS	R1/2	8
KQ2ZT10-02NS	R1/4	10
KQ2ZT10-03NS	R3/8	10
KQ2ZT10-04NS	R1/2	10
KQ2ZT12-02NS	R1/4	12
KQ2ZT12-03NS	R3/8	12
KQ2ZT12-04NS	R1/2	12

Blow Guns Series VMG



Part No.	Piping Direction	Port Thread	Colour	Operating pressure (MPa)
VMG11BU-02	Bottom	Rc1/4	Blue	0 - 1.0
VMG11W-02		Rc1/4	White	
VMG12BU-02	Top	Rc1/4	Blue	
VMG12W-02		Rc1/4	White	

- **Please Note:** A air nozzle must be purchased as they are supplied separately.
- Ergonomically designed body with patented valve design and KN nozzles produces considerable reduction in pressure losses.
- 20% reduction in power consumption with the SMC 'Blow gun' + 'S coupler' + 'Coil tube'.
- 2 Connection options.
- Minimum actuation force required.
- White colour available on indent only. Blue available as standard.

Air Nozzles Series KN

Male Thread Nozzle



High Efficiency Nozzle



Long Copper Pipe Nozzle



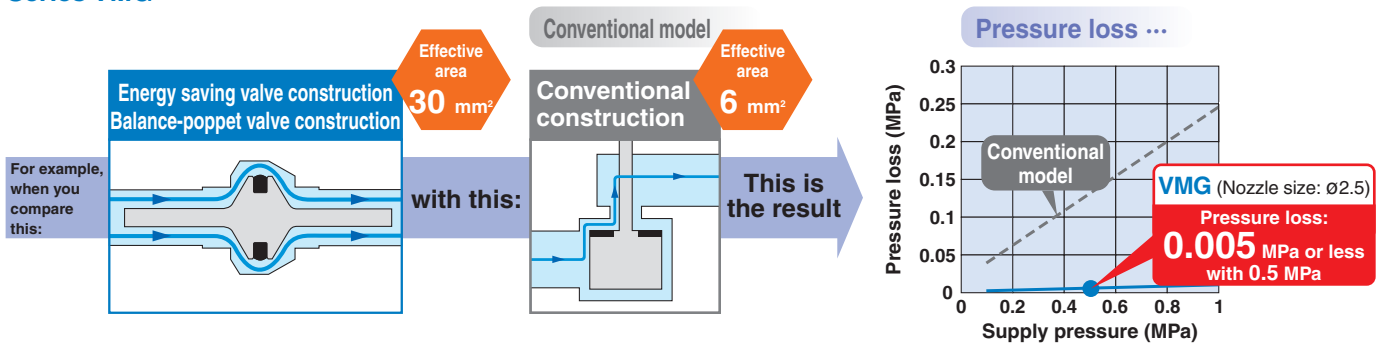
Part No.	Nozzle-Ø (mm)	Piping thread
KN-R02-100	1	R1/4
KN-R02-150	1.5	R1/4
KN-R02-200	2	R1/4
KN-R02-250	2.5	R1/4

Part No.	Nozzle-Ø (mm)	Piping thread
KNH-R02-100	1	R1/4
KNH-R02-150	1.5	R1/4
KNH-R02-200	2	R1/4

Part No.	Nozzle-Ø (mm)	O.D. (mm)	Length (mm)
VMG1-06-150-300	1.5	6	300
VMG1-06-200-300	2	6	300
VMG1-06-150-600	1.5	6	600
VMG1-06-200-600	2	6	600

- A wide range of various air blow nozzles are available.
- Designed for use with compressed air and cutting oils.

Valve Construction and Pressure Loss Series VMG



UV Stabilised Polyethylene Tubing Series TE

Features:

- UV stabiliser added for improved outdoor life
- Low density polyethylene gives a high degree of flexibility and impact resistance
- Excellent chemical resistance
- Excellent dimensional stability
- Biologically inert
- Natural colour tube is manufactured from FDA approved materials



Colours available:

Natural, Black, Blue, Red, Yellow and Green

Specifications

Product Code Part Number	Outside Diameter mm	Tolerance mm	Nominal ID mm	Min. Bend Radius mm	Standard Coil m
TE0425	4.00	+0.05/-0.07	2.4	30	20,100,300
TE0604	6.00	+0.05/-0.10	3.75	42	20,100,300
TE0806-5160	8.00 (5/16")	+0.05/-0.10	5.50	56	20,100,300
TE1075	10.00	+0.05/-0.10	6.80	70	20,100
TE1209	12.00	+0.05/-0.10	8.60	84	20,100
TE1612	16.00 (5/8")	+0.05/-0.10	11.80	120	20,60
Part Number	Inch	Inch	Inch	Inch	m
TE1800	1/8	+0.001/-0.003	0.09	1.18	20,100,300
TE3160	3/16	+0.001/-0.003	0.12	1.37	20,100,300
TE1400	1/4	+0.001/-0.004	0.16	1.65	20,100,300
TE3800	3/8	+0.001/-0.004	0.25	2.75	20,100
TE1200	1/2	+0.001/-0.004	0.37	3.30	20,100

Recommended temperature / pressure range

Celsius	-20	0	10	20	30	40	50	60
Working kPa	1723	1516	1241	1034	827	689	620	551
Working psi	250	220	180	150	120	100	90	80

Burst pressure 2750kPa (400psi) at 20°C.

Note: Prolonged exposure to temperatures over 40°C may have ageing effect on tube in certain environments.

Material properties*

- Tensile Strength 17.0 N.mm⁻²
- Elongation at Break 550%

* These properties are given for information only and we cannot accept responsibility for operations outside our control.

Also available



Tube cutter: 12mm or less
Part No. TK-3



Tube cutter: 18mm or less
Part No. TK-2



Tube releasing tool: 4 & 6mm tube
Part No. TG-1



Preferred National Channel Partner:

Pirtek Fluid Systems Pty Ltd

National Service: 134 222 (24 hours - 7 days)

www.pirtek.com.au



For further details please contact:

SMC Pneumatics (Australia) Pty Ltd

Customer Service: 1800 Pneumatics (1800 763 862)

www.smcworld.com/en