

SECTION 6

Page No.

Accessories

One-way Speed Controller	6.001
XQ100000 Series One-way Speed Controller	6.001
QJS00, QSC2000, QAS4000 Type One-way Speed Controller	6.002
XQ110000 Series Check Valve	6.003
XQ120000 Series Shuttle Valve	6.004
Silencer	6.005
XQ130000 Series Silencer	6.005
XQ140000 Series Throttling Silencer	6.006
QS...P Series Silencer (Engineering Plastics)	6.007
XQ150000 Series Speed Controller	6.008
XQ160000 Series Residual Pressure Exhaust 3 Port Valve	6.009
XQ170000 Series Quick Exhaust Valve	6.010
QVE Series Vacuum Ejector	6.011
QPM Type Diaphragm-type Adjustable Pressure Switch	6.012
Auto Switch	6.013
QCK Series Auto Switch	6.013
AL Series Auto Switch	6.015
QM Series Coil Coding Specification	6.018
QJ Series Connector	6.022
Push-in Fitting	6.023
P Series Push-in Fitting	6.023
LF3000 Series Push-in Fitting	6.025
Push-in One-way Speed Controller	6.031
7710 Type Push-in One-way Speed Controller	6.031
SC Series Push-in One-way Speed Controller	6.034
QG02 Series Blow Gun	6.035
PU,N Series Tube	6.036

One-way Speed Controller

XQ100000 Series

The valve is a flow control valve combined by a check valve and a throttle valve. When the compressed air flows $P \rightarrow A$, the throttle works when the compressed air flows $A \rightarrow P$, the air directly passes the valve and is not throttled.

Usually the one way throttle valve is used to control the piston speeds. Therefore it is named (one way) speed control valve.



Specifications

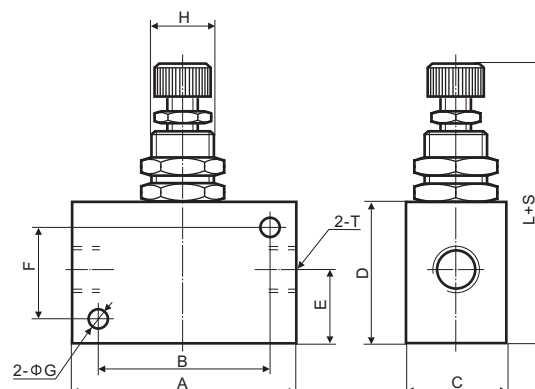
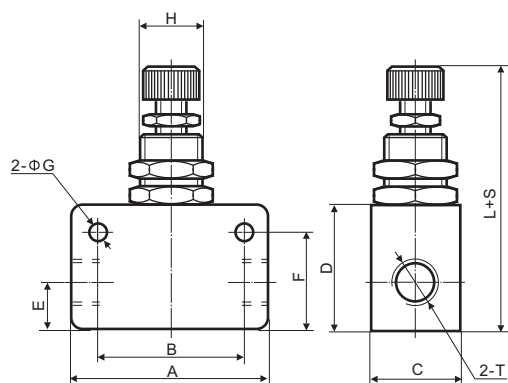
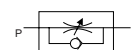
Model			XQ100400	XQ100600	XQ101000	XQ101500
Port size			G1/8	G1/4	G3/8	G1/2
Fluid			Filtered compressed air			
Operating pressure			0.03~1.0MPa			
Opening pressure			0.03MPa			
Fluid temperature			-10~+60℃			
Ambient temperature			5~60℃			
Flow rate	P→A	Flow l/min(ANR)	0~115	0~420	0~1000	0~1600
		Nominal diameter mm	2	3.5	7	9
	A→P	Flow l/min(ANR)	350	780	1200	2500
		Nominal diameter mm	3	6	9	12

Dimensions (mm)

XQ100400
XQ100600

XQ101000
XQ101500

Symbol



Model	A	B	C	D	E	F	G	H	L	S (stroke)	T
XQ100400	35	25	17	22	9	18	4.5	M12×1	48	4	G1/8
XQ100600	40	30	18	25	9	20	4.5	M12×1	50	4	G1/4
XQ101000	65	50	30	50	25	38	5.5	M20×1	90	10	G3/8
XQ101500	65	50	30	50	25	38	5.5	M20×1	90	10	G1/2

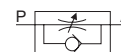
One-way Speed Controller QJS00, QSC2000, QAS4000 Type



Model	QJS0400	QJS0600	QSC2001	QSC2002	QAS4003	QAS4004
Fluid	Filtered compressed air					
Max. Operating pressure	1.0MPa					
Min. Operating pressure	0.1MPa					
Ambient temperature	5~60℃					
Fluid temperature	-10~+60℃					
Body material	Aluminium alloy		Die casting Aluminium			
Flow l/min(ANR)	P → A	0~115	0~420	0~115	0~420	0~1000
	A → P	350	780	350	780	1200
Port size	G1/8	G1/4	G1/8	G1/4	G3/8	G1/2

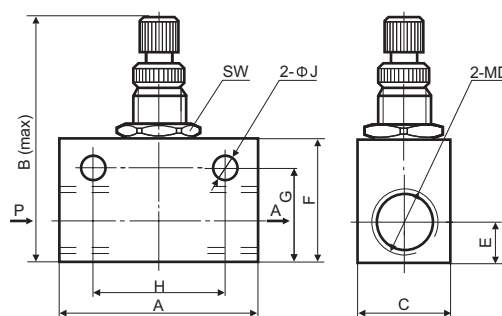
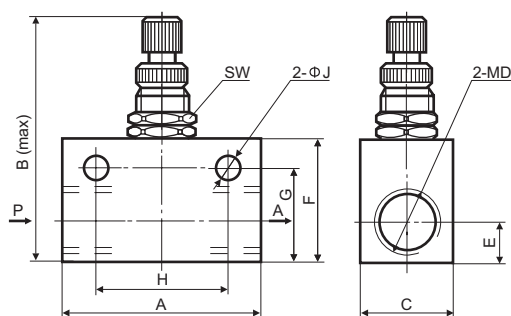
Dimensions (mm)

Symbol

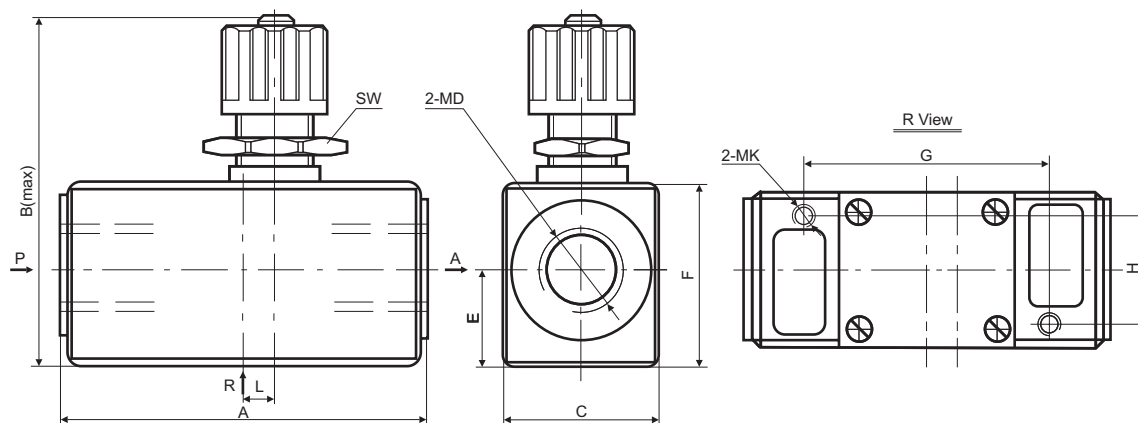


QJS04(06)00

QSC2001(02)



QAS4003(04)



Model	A	B	C	MD	E	F	G	H	J	MK	L	SW
QJS0400	31.5	50	18	G1/8	7.7	24.5	20	22	4	-	-	14
QJS0600	31.5	50	18	G1/4	7.7	24.5	20	22	4	-	-	14
QSC2001	36	50.5	17.5	G1/8	9	22	18.7	25.3	4.3	-	-	22
QSC2002	36	50.5	17.5	G1/4	9	22	18.7	25.3	4.3	-	-	22
QAS4003	67.5	78	29	G3/8	19	34	48.1	18	-	M4	4.2	29
QAS4004	67.5	78	29	G1/2	19	34	48.1	18	-	M4	4.2	29

Check Valve XQ110000 Series

Compressed air can only flow P→A and
reverse flow is blocked.

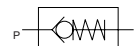


Specifications

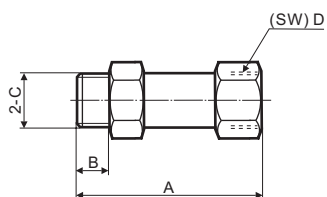
Model	XQ110400	XQ110600	XQ111000	XQ111500
	XQ110401	XQ110601	XQ111001	XQ111501
	XQ110402	XQ110602	XQ111002	XQ111502
Port size	G1/8	G1/4	G3/8	G1/2
Nominal diameter mm	4	6	10	12
Fluid	Filtered compressed air			
Operating pressure	0.05~1.0MPa			
Opening pressure	0.05MPa			
Ambient temperature	5~60°C			

Dimensions (mm)

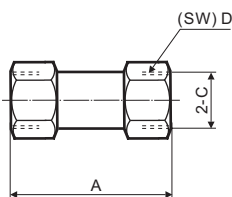
Symbol



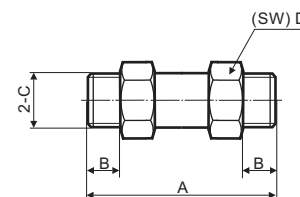
XQ110000



XQ110001



XQ110002



Model	XQ110400			XQ110600			XQ111000			XQ111500		
	00	01	02	00	01	02	00	01	02	00	01	02
A	42	39	45	46	42	50	60	55	65	61	56	66
B	8	—	8	19	—	10	12	—	12	12	—	12
C	G1/8			G1/4			G3/8			G1/2		
D	14			17			24			27		

Shuttle Valve XQ120000 Series

3 ported check valve with one output and 2 pneumatic signal input ports.

Output always supplied by high pressure inlet.

The shuttle valve is usually used in parallel circuits (manual or automatic).

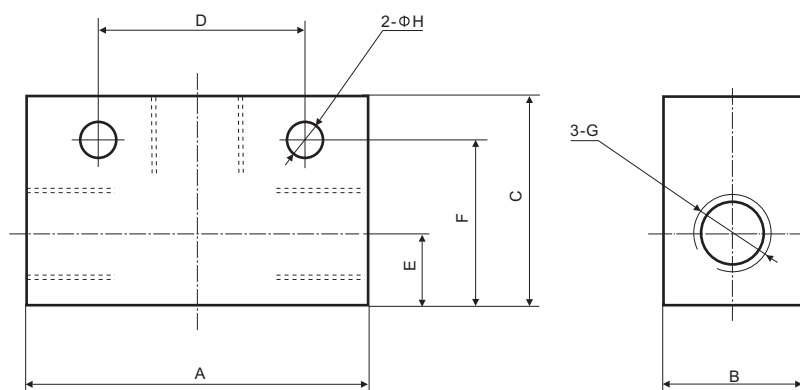
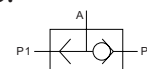


Specifications

Model	XQ120400	XQ120600	XQ121000	XQ121500
Fluid	Filtered compressed air			
Operating pressure	0.05~1.0MPa			
Ambient temperature	5~60°C			
Port size	G1/8	G1/4	G3/8	G1/2
Nominal diameter mm	3	6	8	10
Rated flow l/min(ANR)	350	780	1200	2500

Dimensions (mm)

Symbol



Model	A	B	C	D	E	F	G	H
XQ120400	40	15	25	24	9	20	G1/8	4.5
XQ120600	54	21	36	30	12	28	G1/4	4.5
XQ121000	65	25	40	40	14	30	G3/8	5.5
XQ121500	70	30	50	50	18	40	G1/2	5.5

Silencer

XQ130000 Series

The silencer is used to reduce the exhaust speed and thus reduces the noise. It can be installed directly to the exhaust port.

The silencer is made of sintered bronze and of long service life and good noise reduction effect.

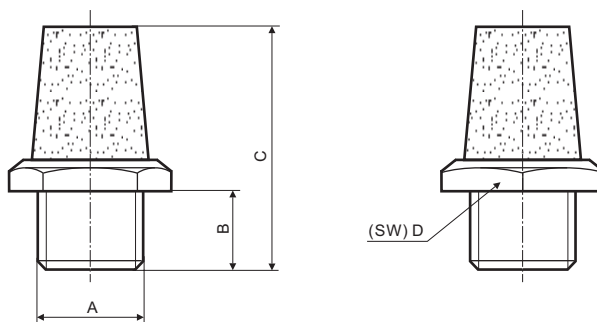


Specifications

Model	XQ130400	XQ130600	XQ131000	XQ131500	XQ132000	XQ132500
Port size	G1/8	G1/4	G3/8	G1/2	G3/4	G1
Fluid	Filtered compressed air					
Operating pressure	0~0.8MPa					
Ambient temperature	5~60°C					
Noise reduction effect	20dB					
Flow l/min(ANR)	50	83	117	167	335	500

Dimensions (mm)

Symbol



Model	A	B	C	D
XQ13040	G1/8	8	27	14
XQ13060	G1/4	9	30	17
XQ13100	G3/8	10	37	21
XQ13150	G1/2	12	45	27
XQ13200	G3/4	16	90	36
XQ13250	G1	18	110	50

Throttling Silencer XQ140000 Series

The throttling silencer is generally installed to the exhaust port(s) of a direction control valve.

It not only reduces the noise but also throttles the exhaust and thus regulates the piston speed.

This position can be locked by the locking nut.

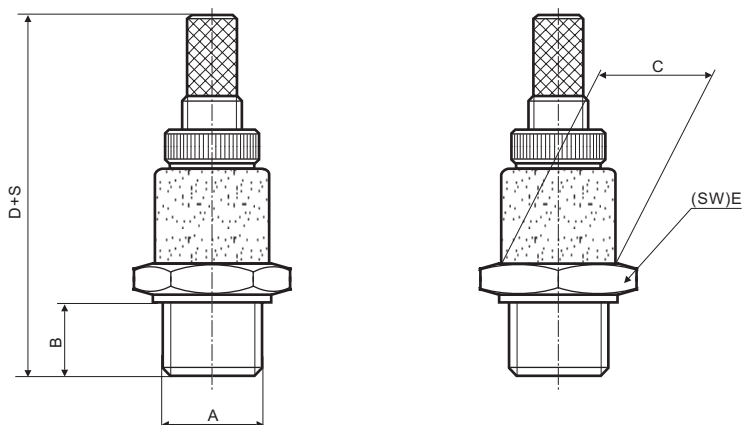
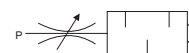


Specifications

Model	XQ140400	XQ140600	XQ141000	XQ141500
Port size	G1/8	G1/4	G3/8	G1/2
Fluid	Filtered compressed air			
Operating pressure	0~0.8MPa			
Ambient temperature	5~60°C			
Noise reduction effect	20dB			
Flow l/min(ANR)	0~50	0~83	0~117	0~167

Dimensions (mm)

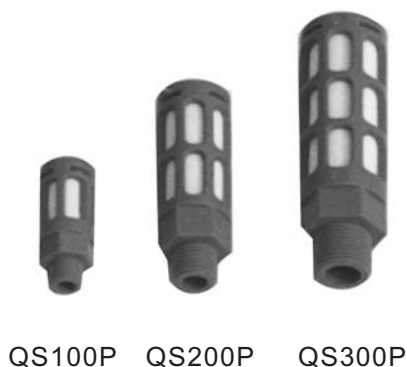
Symbol



Model	A	B	C	D	E	S (stroke)
XQ14040	G1/8	8	13	36	14	6
XQ14060	G1/4	9	16	46	16	8
XQ14100	G3/8	10	17	48	19	10
Xq14150	G1/2	12	24	63	27	12

Silencer (Engineering Plastics)

QS...P Series



Model	QS100P-01	QS200P-02	QS300P-03
Fluid	Compressed air		
Max. Operating pressure	1.0MPa		
Ambient and fluid temperature	5 ~ 60°C		
Noise reduction	>30db		
Nominal size mm	5.5	7.5	10.5
*Standard Flow l/min(ANR)	1450	2600	5050
Bore size	G1/8	G1/4	G3/8
Material	Housing: POM Element: PE (sintered)		
Colour	Housing: Blue Element: White		

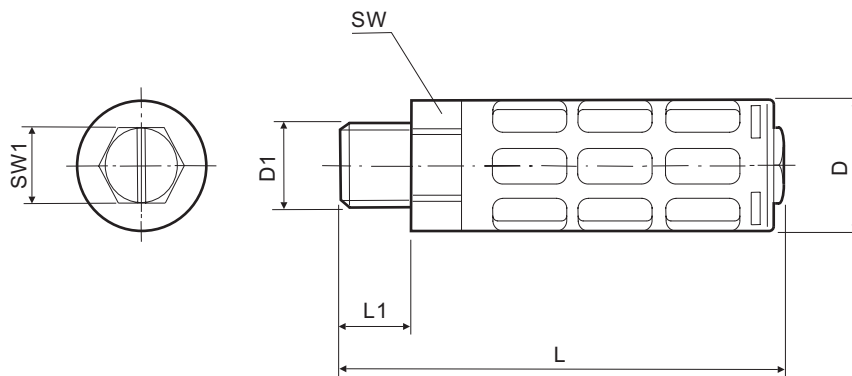
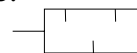
*Inlet pressure 600KPa, exhaust directly into atmosphere.

Being installed at the exhaust port of direction control valve, the silencer distributes the entering exhaust air over a large surface area. The speed of the air is reduced by its flowing post the sintered particles contained in the element. Consequently the noise is reduced. The silencer does not reduce the volumetric flow obviously and thus does no reduce the speed of cylinder obviously.

The silencers of QS100P, QS200P, QS300P are characterized by their good performance of noise reducing and anti-corrosion, big flow-rate, easy installation and good appearance.

Dimensions (mm)

Symbol



Model	D	D1	L	L1	SW	SW1
QS100P - 01	16	G1/8	40	7	14	8
QS200P - 02	21	G1/4	64.5	10	18	12
QS300P - 03	25	G3/8	84	13	21	14

Speed Controller XQ150000 Series

The throttle valve consists of a valve body and a throttling screw which adjusts the orifice crosssection to regulate the compressed air flows in both directions.
And thus it regulates the piston speed.

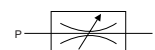


Specifications

Model	XQ150400	XQ150600	XQ151000	XQ151500
Fluid	Filtered compressed air			
Operating pressure	0~1.0MPa			
Ambient temperature	5~60°C			
Port size	G1/8	G1/4	G3/8	G1/2
Nominal diameter mm	2	3.5	7	9
Rated flow l/min(ANR)	0~115	0~420	0~1000	0~1600

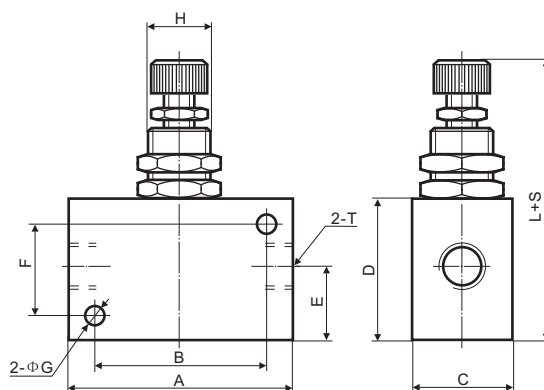
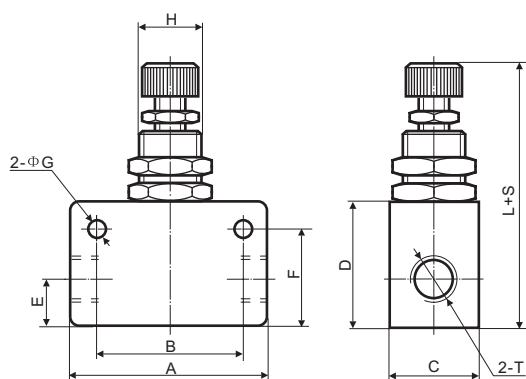
Dimensions (mm)

Symbol



XQ150400
XQ150600

XQ151000
XQ151500



Model	A	B	C	D	E	F	G	H	L	S (stroke)	T
XQ150400	34	25	16	21	9	17	4.5	M12×1	48	4	G1/8
XQ150600	40	30	18	25	9	20	4.5	M12×1	50	4	G1/4
XQ151000	65	50	30	50	25	38	5.5	M20×1	90	10	G3/8
XQ151500	65	50	30	50	25	38	5.5	M20×1	90	10	G1/2

Residual Pressure Exhaust 3 Port Valve XQ160000 Series

The valve is a 2-position, 3-way manual slide valve. It is usually used in a piping system as a switch of air supply. When it shuts off the supply it simultaneously relieves the air pressure in the system.

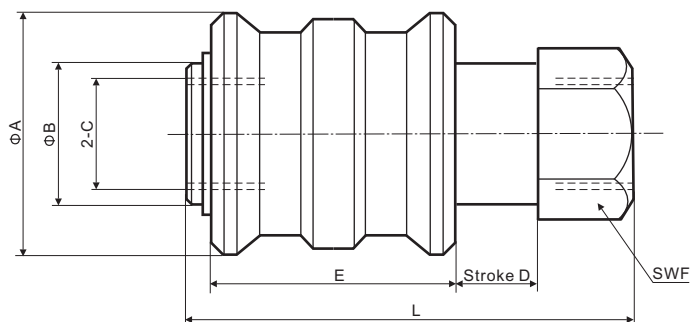
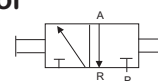


Specifications

Model	XQ160400	XQ160600	XQ161000	XQ161500	XQ162000	XQ162500
Port size	G1/8	G1/4	G3/8	G1/2	G3/4	G1
Nominal diameter mm	4	7	10	12	18	25
Fluid	Filtered compressed air					
Operating pressure	0~1.0MPa					
Ambient temperature	5~60°C					
Operating force N	20				30	

Dimensions (mm)

Symbol



Model	A	B	C	D	E	F	L
XQ160400	25	13	G1/8	9	28	14	48
XQ160600	30	18	G1/4	11	32	19	58
XQ161000	35	21	G3/8	14	39	22	68
XQ161500	40	26	G1/2	15	45	27	80
XQ162000	46	30	G3/4	18	50	32	100
XQ162500	60	40	G1	20	65	42	120

Quick Exhaust Valve XQ170000 Series

The valve is generally installed in the pipe which links a direction control valve and a cylinder, close to the cylinder. The exhaust air of the cylinder can exhausts directly without passing through the direction control valve to quicken the speed of piston rod. It produces an obvious effect of increasing piston speed.

P - To be connected to output of the direction control valve.

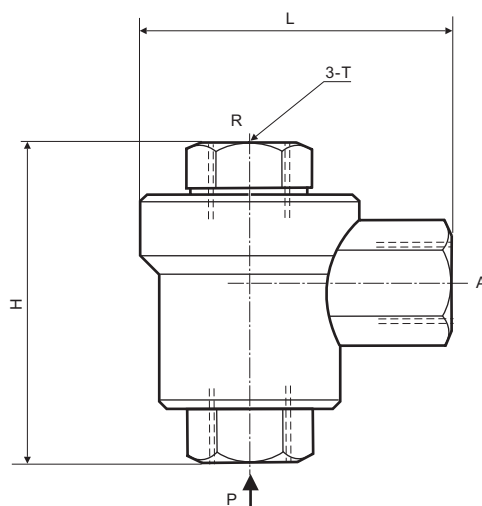
A - To be connected to the cylinder R - To silencer



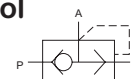
Specifications

Model	Port size	Nominal diameter mm	Flow m ³ /min(ANR)	Service life thousand time	Operating pressure range MPa	Switching time s
XQ170600	G1/4	6	≥0.9	≥2000	0.12~1.0	≤0.03
XQ171000	G3/8	8	≥2.5			≤0.04
XQ171500	G1/2	15	≥4.5			≤0.05

Dimensions (mm)



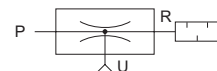
Symbol



Model	T	H	L
XQ170600	G1/4	51	45
XQ171000	G3/8	68	62
XQ171500	G1/2	77	86

Vacuum Ejector QVE Series

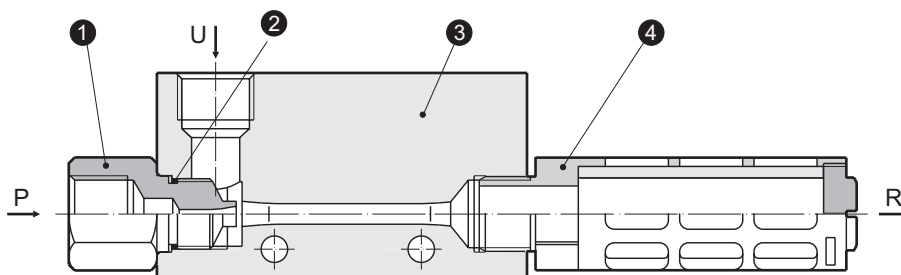
Symbol



Model	QVE10-01	QVE15-02	QVE20-03	QVE25-04	QVE30-06
Fluid	Filtered compressed air				
Max. Operating pressure	1.0MPa				
Min. Operating pressure	0.1MPa				
Ambient and fluid temperature	0~60℃				
Vacuum pressure	0.0918 -MPa				
Vacuum port size	G1/8	G1/4	G3/8	G1/2	G3/4

Model		Nozzle diameter mm	Vacuum pressure -MPa	Air Consumption -l/min(ANR)	Supply pressure MPa
Basic Type	With Silencer				
QVE10-01	QVE10-01S	1.0	0.0918	44	0.5
QVE15-02	QVE15-02S	1.5		100	
QVE20-03	QVE20-03S	2.0		180	
QVE25-04	QVE25-04S	2.5		270	
QVE30-06	QVE30-06S	3.0		390	

Construction

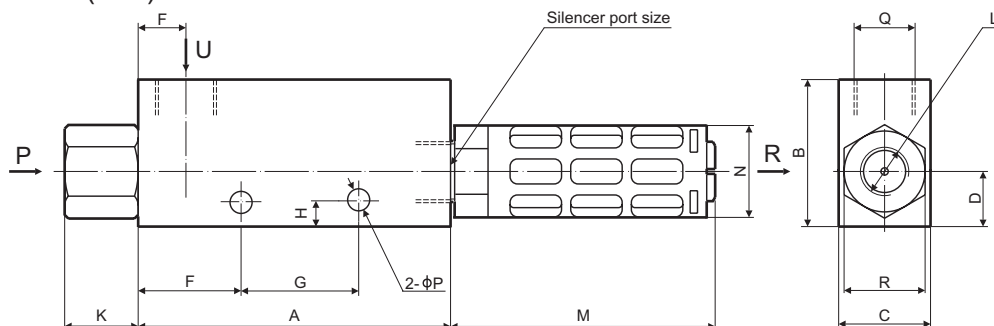


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Parts List

No .	Description	Material	No .	Description	Material
1	Nozzle	Brass	3	Body	Aluminium alloy
2	O-ring	NBR	4	Silencer	POM/PE

Dimensions (mm)

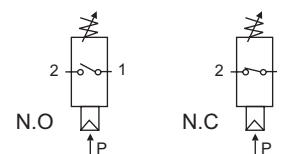


Model	A	B	C	D	E	F	G	H	K	L	M	N	P	Q	R	Silencer model / Port size
QVE10-01	45	33	16	10	8	14	20	4.5	10	G1/8	35	16	4.2	G1/8	14	QS100P-01 G1/8
QVE15-02	63	35	20	11	10	20	25	5	15	G1/4	55	21	4.5	G1/4	17	QS200P-02 G1/4
QVE20-03	85	40	25	15	13	28	32	7	20	G1/4	72	25	6	G3/8	22	QS300P-03 G3/8
QVE25-04	100	60	40	20	16	20	50	5.5	17	G3/8	80	30	6	G1/2	28	QS600P-06 G3/4
QVE30-06	118	60	40	20	20	33	50	5.5	20	G1/2	80	30	6	G3/4	30	QS600P-06 G3/4

Diaphragm-type Adjustable Pressure Switch

QPM Type

Symbol



Fluid	Filtered compressed air
Max. Operating pressure	1.0MPa
Adjustable pressure range	0.1~1.0MPa
Ambient and fluid temperature	-5~+60℃
Operating type	Adjustable pressure
Connection	Male thread
Port size	R1/8

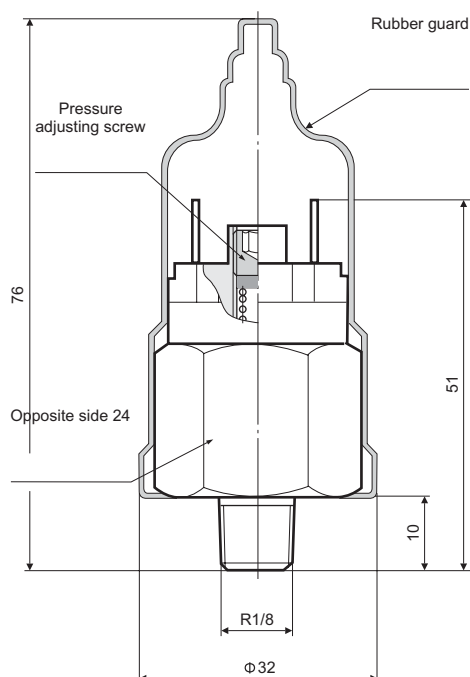
Electrical Specifications

Operating voltage	220V/AC	48V/AC、DC
Max. Operating current	500mA	
Max. Power	100VA	24VA
Insulation voltage	1500V	500V
Function	N.O (Normally open)	N.C (Normally closed)
Max. Pulse	200 c/min	
Service life	One million cycles	
Protection class (with rubber guard)	IP54	

Dimensions (mm)

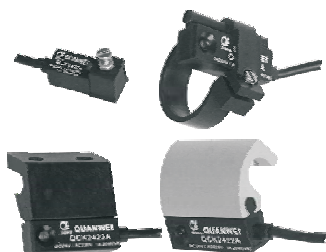
QPM11-NO (Normally Open)

QPM11-NC (Normally Closed)



Auto Switch QCK Series

Symbol 
N.O



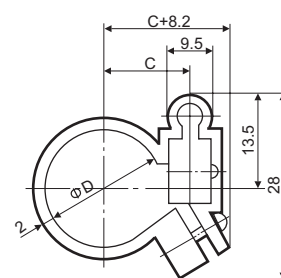
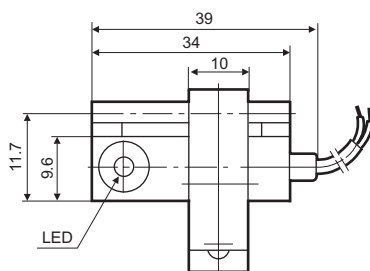
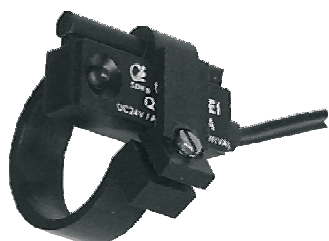
Model	QCK2400	QCK2400A	QCK2422	QCK2422A
Type	Band / Tie rod mounted	Groove mounted	Band / Tie rod mounted	Groove mounted
Operating voltage V	—24		≒ 24~220	
Operating current mA	300		1000	
Switching time ms	<1			
Acting range mm	6~15			
Hysteresis mm	<3			
Sensing distance mm	<1			
Vibration resistance	20G(20~100Hz)			
Mounting type	A-type (Band)	B-type (Bracket)	A-type (Band)	B-type (Bracket)
Applicable cylinder mm	12~40	32~200	12~40	32~200

Dimensions (mm)

A-type Band

QCK2400-A00

QCK2422-A00

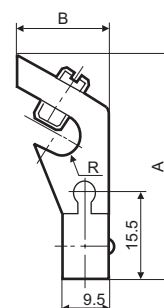
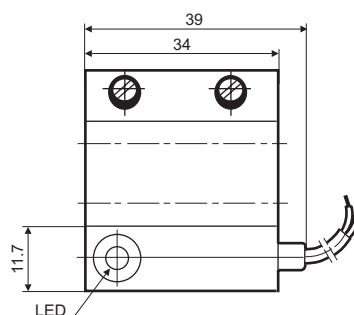


Model	Applicable for round cylinder mm	D	C
QCK2400-A12 QCK2422-A12	12	13.2	10.8
QCK2400-A16 QCK2422-A16	16	17.4	13
QCK2400-A20 QCK2422-A20	20	21.5	14.5
QCK2400-A25 QCK2422-A25	25	26.5	17.5
QCK2400-A32 QCK2422-A32	32	33.8	21.2
QCK2400-A40 QCK2422-A40	40	41.7	25.2

B-type Bracket

QCK2400-B00

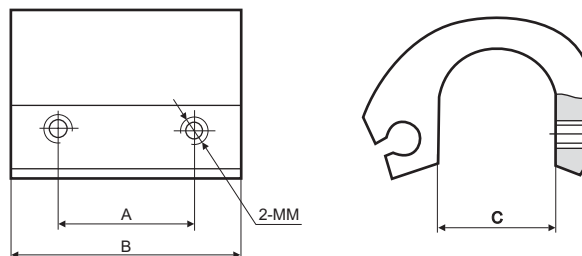
QCK2422-B00



Model	Applicable for cylinder with tie rod mm	A	B
QCK2400-B32 QCK2422-B32	32	36.7	20
QCK2400-B40 QCK2422-B40	40~80	40.5	20
QCK2400-B100 QCK2422-B100	100~125	45.5	20
QCK2400-B160 QCK2422-B160	160~200	53.5	21

BT-type Bracket

(Specially for Profile Cylinder)

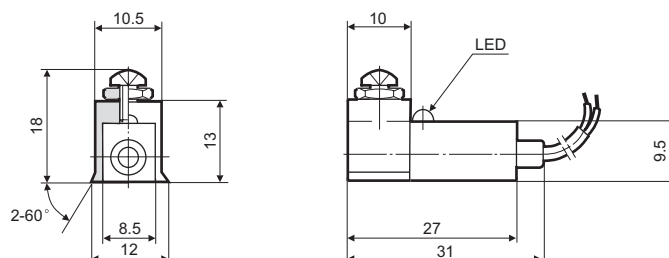


Model		Applicable for profile type cylinder mm	A	B	C	MM
QCK2400-BT03	QCK2422-BT03	32~40	20	34	11	M4
QCK2400-BT05	QCK2422-BT05	50~63	20	34	14.4	M4
QCK2400-B08	QCK2422-BT08	80~100	20	34	17	M4
QCK2400-BT12	QCK2422-BT12	125	20	34	19	M4
QCK2400-BT16	QCK2422-BT16	160	20	34	27	M4
QCK2400-BT20	QCK2422-BT20	200	20	34	27	M4

Groove Mounted

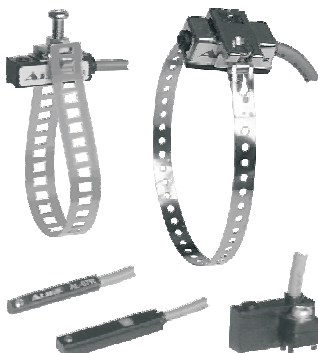
QCK2400A

QCK2422A



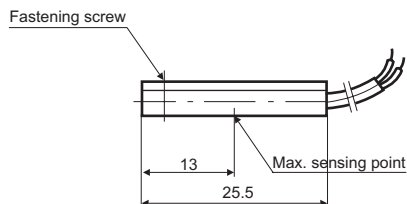
Auto Switch AL Series

Symbol
N.O



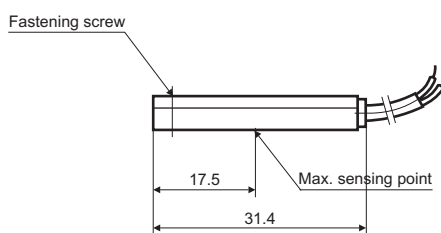
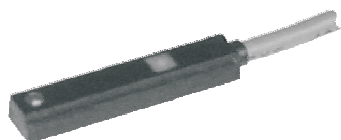
Model	AL-07R	AL-30R	KTL-50R	AL-03R	AL-20R	AL-72R
Type	Groove mounted			PBK (Band type)	PAB (Band type)	Track mount
Operating voltage	5~240V DC/AC					
Operating current	100mA (max.)					
Switching frequency	1000Hz (max.)	200Hz (max.)				
Operating temperature	-10~+70 °C					
Sensitivity	40 (GS)			60 (GS)		40 (GS)
Vibration resistance	9G (20~100Hz)					
Protection class	IP67					
Mounting type	Nil			PBK-06~63	PAB-20~125	Nil
Applicable cylinder (mm)	QCQS	QADVU, QDNC	XSC	QCJ2, Qc85.....	QMAL.....	QCQ2

Groove mounted AL-07R

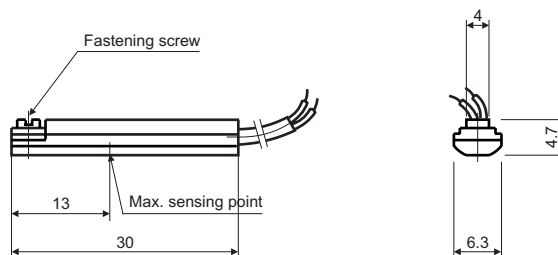


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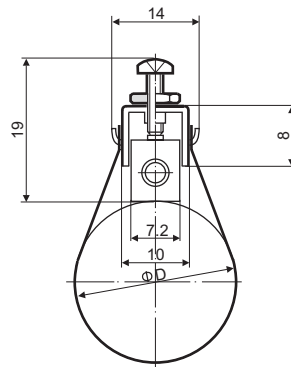
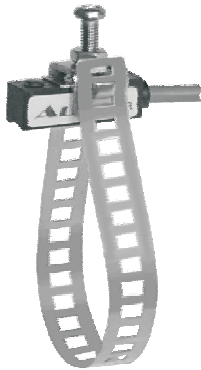
Groove mounted AL-30R



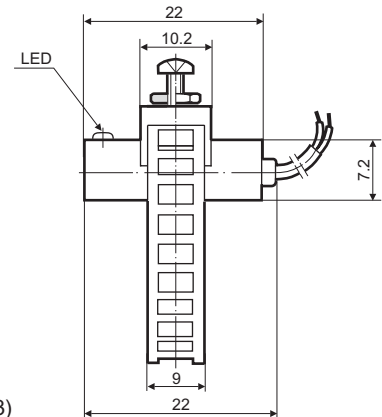
Groove mounted KT-50R



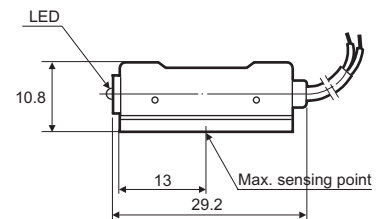
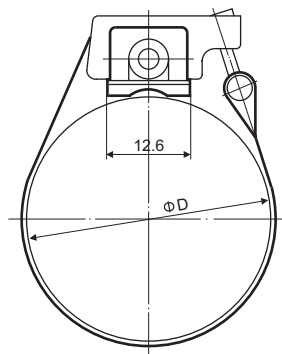
Band mounted
AL-03R-PBK



(ΦD: Applicable for round cylinder Φ6~Φ63)



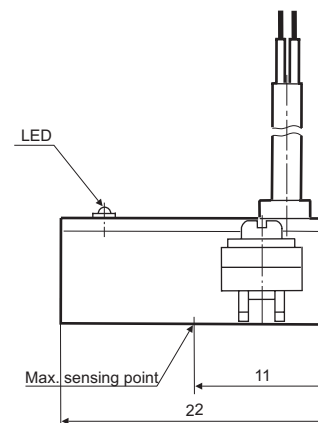
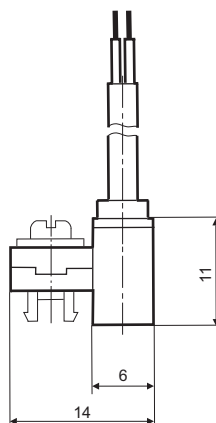
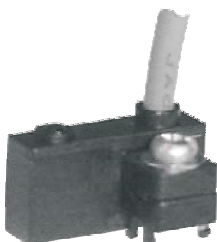
Band mounted
AL-20R-PAB



(ΦD: Applicable for cylinder 20~200)

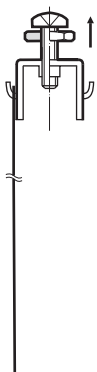
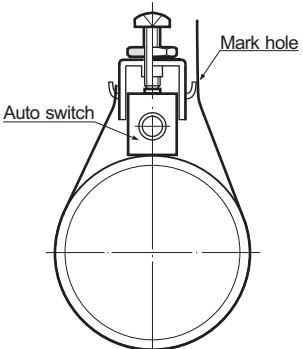
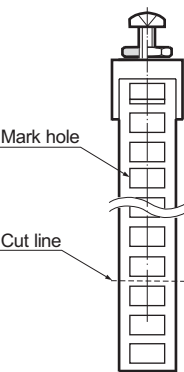
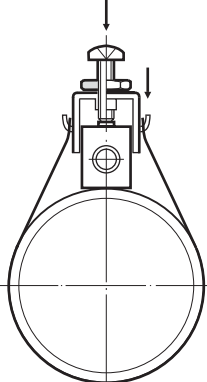
Steel Band: PAB-20~200

Groove mounted
AL-72R



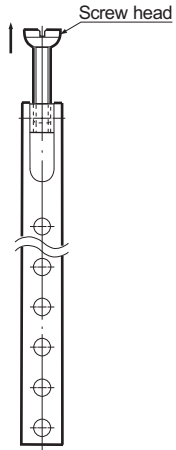
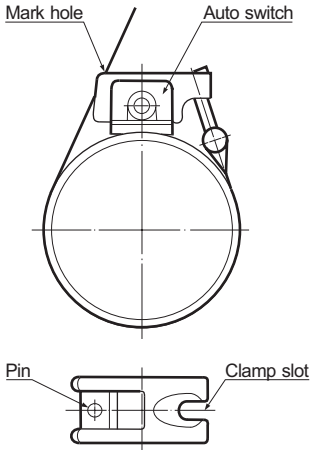
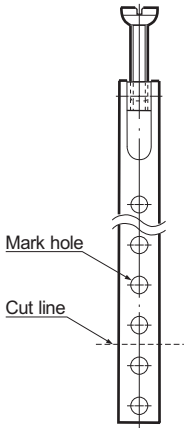
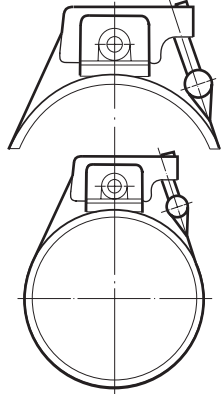
PBK Steel Band for Mounting AL-03R Auto Switch

(Applicable for cylinder 16 ~ 63)

Step 1	Step 2	Step 3	Step 4
Loosen screw and nut.	Place auto switch and wrap the band around the cylinder. Position the hook with the nearest hole on the band and mark the hole with a permanent marker.	Remove mounting assembly. Cut the band at the nearest edge of next hole. (The one that's further away from the mounting head).	Re-place the auto switch and mounting assembly. Wrap the band and put the chosen hole on hook. Position the auto switch and tighten. Finally swivel nut for steadying.
			 Do not over tighten. Damage to the switch and/or cylinder may occur.

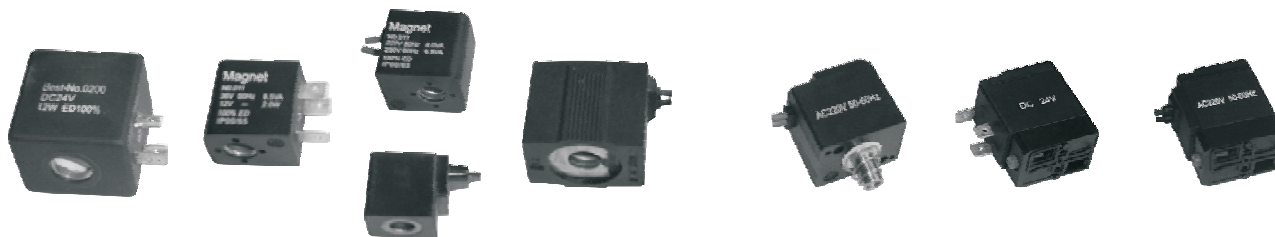
PAB Steel Band and Clamp for Mounting AL-20R Auto Switch

(Applicable for cylinder 32 ~ 125)

Step 1	Step 2	Step 3	Step 4
Start by keeping screw 3 to 4 turns into barrel nut on the end of the band assembly.	Place the screw head into clamp slot and wrap the band around the cylinder. Position the pin with the nearest hole on the band and mark the hole with a permanent marker.	Remove clamp assembly from the cylinder. Locate the marked hole that fits to the cylinder size, cut the band at midway between the next two adjacent hole. (The one that's further away from the screw nut).	Insert cut end of the band into a flat slot opposite from the clamp slot. Place the chosen hole over the pin and bend the band firmly down with thumb pressure. Then wrap the band around cylinder barrel and re-insert screw head into clamp. Position the auto switch and tighten.
			 Do not over tighten. Damage to the auto switch and/or cylinder may occur.

Coil Coding Specification

QM Series



How to Order

The diagram illustrates the breakdown of the coil part number **Q M B08 - 5** into its constituent specifications:

- Q**: Code
- M**: Series
- B08**: Coil type and coil boring
 - A type: A01, A02, A03
 - B type: (coil boring)
 - B08 = ϕ 8 (mm)
 - B09 = ϕ 9 (mm)
 - B11 = ϕ 11 (mm)
 - B13 = ϕ 13 (mm)
- : Separator
- 5**: Rated voltage
 - 3 = 110VAC
 - 4 = 220VAC
 - 5 = 24VDC
 - 6 = 12VDC
 - 7 = 36VDC
 - 8 = 24VAC
 - 9 = 36VAC

Additional specifications for the **5** rating:

- Special marking**: Nil: Standard (B class), H: H class of coil insulation
- Electrical entry**: G= Grommet (wire length 300mm), D=Connector

Electrical entry	Grommet (G) / Connector (D)
* Coil rated voltage	AC:110V, 220V/(50/60Hz) DC:12V, 24V
Allowable voltage variation	-10~+10% of rated voltage
Relativ duty cycle	100 %
Ambient temperature	-15~+50°C
Moulding material	Thermoset resin
Class of insulation material	Class B or equivalent
Protection class (with mounted plug-in connector)	IP65

*Option: Non-standard voltage

Notes :

Lead wire and voltage distinguishing:

AC 220V / (50/60Hz): Double red

AC 110V / (50/60Hz): Double blue

AC 24V / (50/60Hz): Red and blue

DC 24V: Red and black

DC 12V: Red and black

DO NOT WRITE AND SIGN

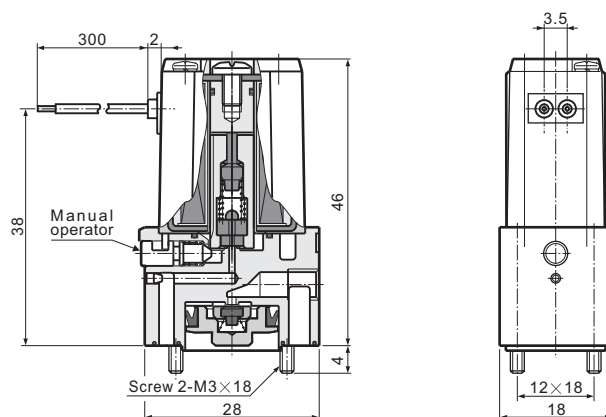
Coil Specifications (Type A01)

Model	Coil type	*Rated voltage		Electrical entry	Power			Temperature rise °C	Applicable valves
		DC V	AC V		DC Rated power W	AC (50/60Hz)			
						Inrush power VA	Holding power VA		
QMA01-5G	A01	24	-	G	2.8	-	-	60	QVZ5000
QMA01-4G		-	220		-	8	4.8		

* Other voltages on request.

Dimensions (mm)

QMA01-□G



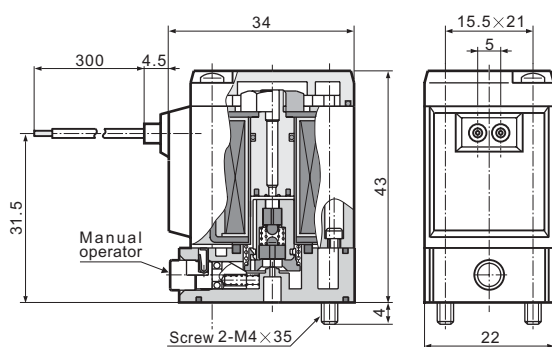
Coil Specifications (Type A02)

Model	Coil type	*Rated voltage		Electrical entry	Power			Temperature rise °C	Applicable valves
		DC V	AC V		DC	AC (50 / 60Hz)			
					Rated power W	Inrush power VA	Holding power VA		
QMA02-5G	A02	24	-	G	4.5	-	-	60	QVF3000 QVF5000 QVF6000 QVP300
QMA02-5D				D					
QMA02-4G		-	220	G	-	13	7.8		
QMA02-4D				D					

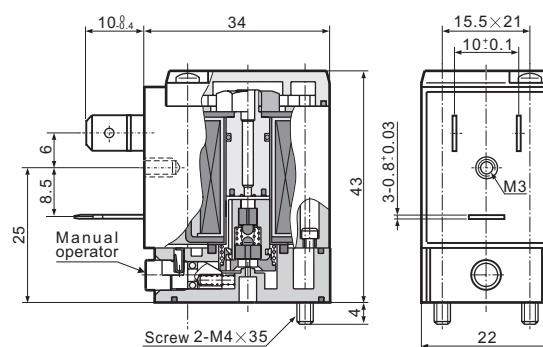
* Other voltages on request.

Dimensions (mm)

QMA02-□ G



QMA02-□ D



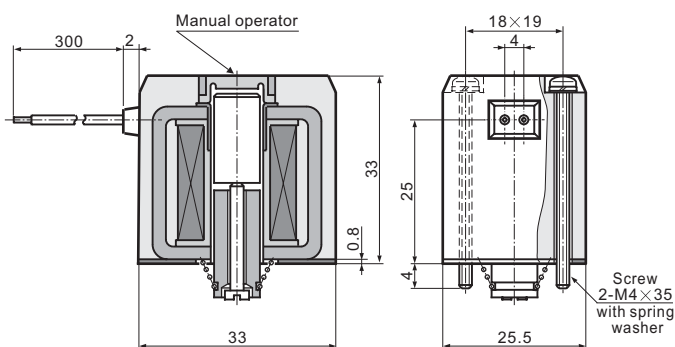
Coil Specifications (Type A03)

Model	Coil type	*Rated voltage		Electrical entry	Power			Temperature rise °C	Applicable valves
		DC V	AC V		DC	AC (50/60Hz)			
					Rated power W	Inrush power VA	Holding power VA		
QMA03-5G	A03	24	-	G	4.5	-	-	60	QVT307 QVO307 QVT307V QDH3102
QMA03-5D			D						
QMA03-5G1			-	G	8.5				
QMA03-5D1			D						
QMA03-4G		-	220	G	-	10	6.3		
QMA03-4D		D							

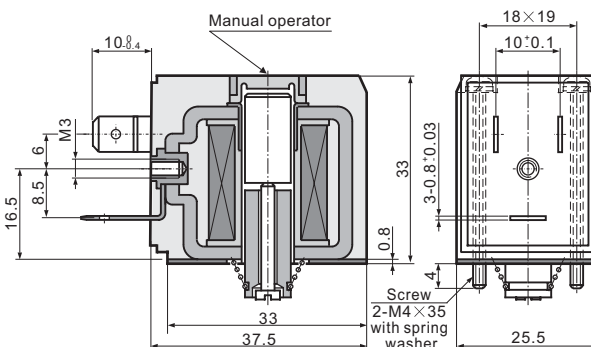
* Other voltages on request.

Dimensions (mm)

QMA03-□ G



QMA03-□ D



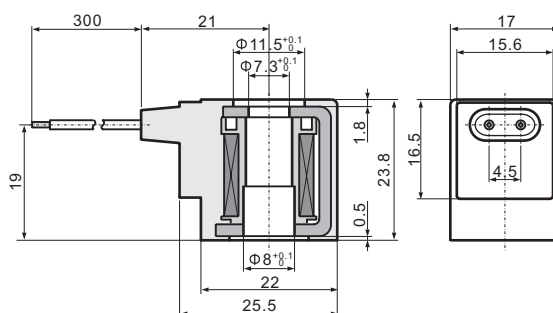
Coil Specifications (Type B08)

Model	Coil type	*Rated voltage		Electrical entry	Power			Temperature rise °C	Applicable valves
		DC V	AC V		DC Rated power W	AC (50/60Hz) Inrush power VA	Holding power VA		
QMB08-5G	B08	24	-	G	2.5	-	-	60	QVZ5000
QMB08-4G		-	220		-	5.8	3.5		

* Other voltages on request.

Dimensions (mm)

QMB08-□G



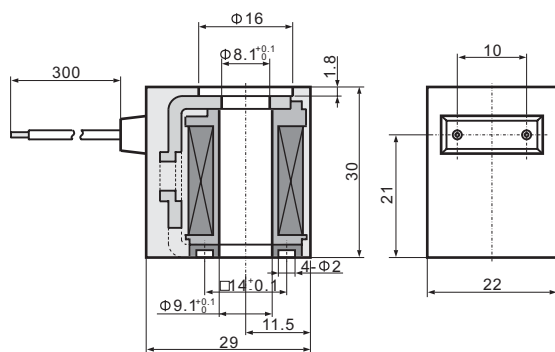
Coil Specifications (Type B09)

Model	Coil type	*Rated voltage		Electrical entry	Power			Temperature rise °C	Applicable valves	
		DC V	AC V		DC	AC (50/60Hz)				
					Rated power W	Inrush power VA	Holding power VA			
QMB09-5G	B09	24	-	G	3	-	-	60	QVF3000 QVF5000 QVP300	
QMB09-5D				D						
QMB09-4G		-	220	G	-	7	4.2	70		XQ230040 XQ230041 XQ250040 XQ250041
QMB09-4D				D						
QMB09-3G		-	110	G					-	
QMB09-3D				D						
QMB09-8G		-	24	G					-	XQ350041.0 XQ350041.1 XQ350041.2
QMB09-8D				D						
QMB09-9G		-	36	G					-	
QMB09-9D				D						

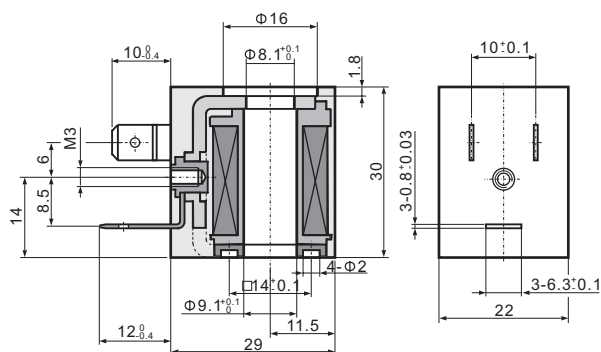
* Other voltages on request.

Dimensions (mm)

QMB09-□G



QMB09-□D



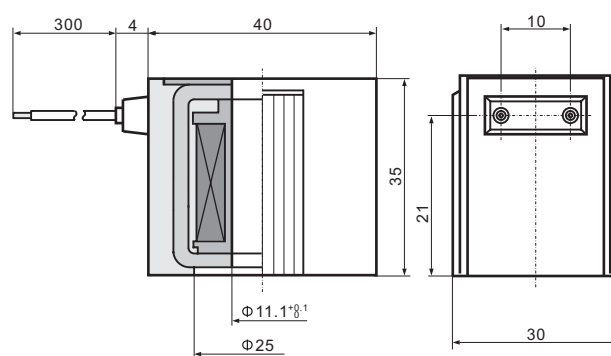
Coil Specifications (Type B11)

Model	Coil type	*Rated voltage		Electrical entry	Power consumption			Temperature rise °C	Applicable valves
		DC V	AC V		DC Rated power W	AC (50/60Hz) Inrush power VA	AC (50/60Hz) Holding power VA		
QMB11-5G	B11	24	-	G	8.8	-	-	70	QVX2120 QVXD2130
QMB11-4G		-	220		-	16	10		

* Other voltages on request.

Dimensions (mm)

QMB11-□G



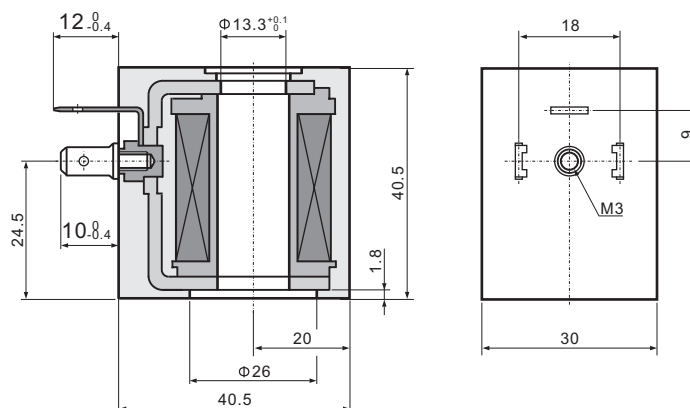
Coil Specifications (Type B13)

Model	Coil type	*Rated voltage		Electrical entry	Power consumption			Temperature rise ℃	Applicable valves
		DC V	AC V		DC	AC (50/60Hz)			
					Rated power W	Inrush power VA	Holding power VA		
QMB13-5D	B13	24	-	D	12	-	-	70	XQ231540
QMB13-4D		-	220		-	23	15		XQ231541
QMB13-3D		-	110		-				XQ251540
									XQ251541

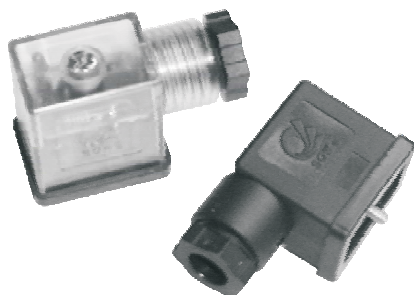
* Other voltages on request.

Dimensions (mm)

QMB13-□D



Connector QJ Series



Model	QJSB3(black)	QJTB3(transparent)	QJSA14(black)
Light	—	with LED	—
Connection number	2 contacts + ground		2 contacts + ground
Max. Voltage	300V DC / 250V AC		
Max. Current A	16		
Operating current A	10		
Connecting resistance mOhm	≤ 4		
Operating temperature ℃	-25~+80		
Protection class	IP 65	IEC 60 529	DIN 40050
Cable diameter mm	4~6		
Lead wire sectional area mm ²	0.75~1		

How to Order

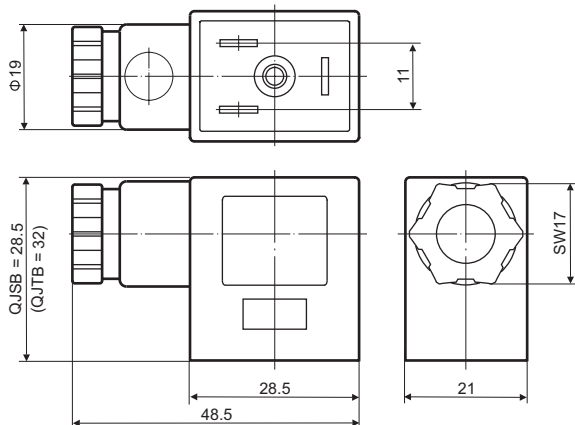
QJ		B		Voltage / LED colour	
Code				3 = 110VAC / LED green	
Housing				4 = 220VAC / LED red	
Nil: without housing				5 = 24VDC / LED yellow	
S: Black				Wiring type	
T: Transparent				Nil: without wiring	
Contact spacing				D: Diode	
A: DIN / 18 (mm)				Y: LED	
B: Ind. / 11 (mm), DIN / 10 (mm)				DY: LED + Diode	
Connector type				V: Varistor	
Nil: Standard (Industry type)				VY: LED + Varistor	
1 = DIN 43650				T: Zener-Diode	
Symbol + 0: without connector				DYT: LED + Diode + Zener	
				Symbol + X: without PCB	
				Number of contacts	
				3 = 2 contacts + ground	
				4 = 3 contacts + ground	

Parts List

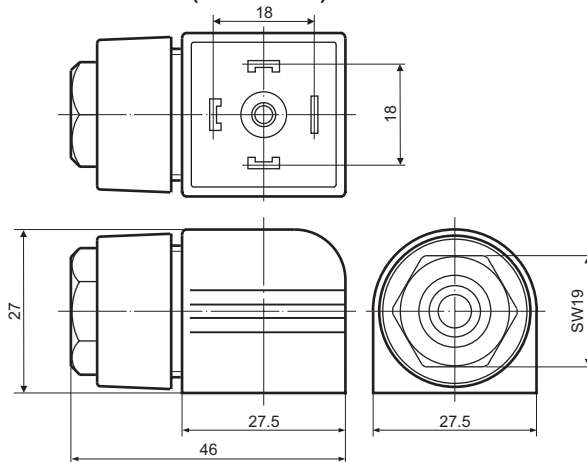
No.	Description	Material	Note
1	Housing	Reinforced nylon Polycarbonate	Black Transparent
2	Rubber gasket	NBR	Black
3	Connecting terminal	Cu	Silver-plating
4	Screw	35	Galvanized
5	Washer	Cold-rolled steel plate	Galvanized
6	Rubber washer	NBR	Black
7	Socket	Reinforced nylon	Black

Dimensions (mm)

QJ **B** **3** (Industry type)



QJSA14□□ (DIN 43650)



Wiring of Connector

Type: D	Type: Y	Type: DY	Type: V
Type: VY	Type: T	Type: DYT	

Push-in Fitting P Series



Male Straight: PC Type



Male Elbow: PL Type



6

Male Branch Tee: PT Type



Male Y: PWT Type



Male Run Tee: PST Type



Fluid	Filtered compressed air
Max. Operating pressure	1.0MPa
Vacuum	Lower than 10Torr
Material	Brass, dry film thread sealant
Applicable tubing material	Nylon, PU

OD Thread	Applicable tubing OD mm				
	4	6	8	10	12

M5	PC4-M5	PC6-M5			
G1/8	PC4-01	PC6-01	PC8-01	PC10-01	
G1/4	PC4-02	PC6-02	PC8-02	PC10-02	PC12-02
G3/8		PC6-03	PC8-03	PC10-03	PC12-03
G1/2			PC8-04	PC10-04	PC12-04

M5	PL4-M5	PL6-M5			
G1/8	PL4-01	PL6-01	PL8-01	PL10-01	
G1/4	PL4-02	PL6-02	PL8-02	PL10-02	PL12-02
G3/8		PL6-03	PL8-03	PL10-03	PL12-03
G1/2			PL8-04	PL10-04	PL12-04

M5	PT4-M5	PT6-M5			
G1/8	PT4-01	PT6-01	PT8-01	PT10-01	
G1/4	PT4-02	PT6-02	PT8-02	PT10-02	PT12-02
G3/8		PT6-03	PT8-03	PT10-03	PT12-03
G1/2			PT8-04	PT10-04	PT12-04

M5	PWT4-M5	PWT6-M5			
G1/8	PWT4-01	PWT6-01	PWT8-01	PWT10-01	
G1/4	PWT4-02	PWT6-02	PWT8-02	PWT10-02	PWT12-02
G3/8		PWT6-03	PWT8-03	PWT10-03	PWT12-03
G1/2			PWT8-04	PWT10-04	PWT12-04

M5	PST4-M5	PST6-M5			
G1/8	PST4-01	PST6-01	PST8-01	PST10-01	
G1/4	PST4-02	PST6-02	PST8-02	PST10-02	PST12-02
G3/8		PST6-03	PST8-03	PST10-03	PST12-03
G1/2			PST8-04	PST10-04	PST12-04

Union Straight: PUC Type Reducer: PG Type



OD Thread	Applicable tubing OD mm				
	4	6	8	10	12
4	PUC4-00	PG6-04			
6		PUC6-00	PG8-06	PG10-08	PG12-10
8			PUC8-00	PUC10-00	PUC10-00
10					
12					

Union Elbow: PUL Type



4	PUL4-00				
6		PUL6-00			
8			PUL8-00		
10				PUL10-00	
12					PUL12-00

Union Tee: PUT Type



4	PUT4-00				
6		PUT6-00			
8			PUT8-00		
10				PUT10-00	
12					PUT12-00

Union Y: PY Type Reducer Y: PW Type



4	PY4-00	PW6-04			
6		PY6-00	PW8-06		
8			PY8-00	PW10-08	
10				PY10-00	PW12-10
12					PY12-00

Female Straight: PCF Type

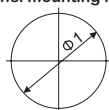


G1/8	PCF4-01	PCF6-01	PCF8-01	PCF10-01	
G1/4	PCF4-02	PCF6-02	PCF8-02	PCF10-02	PCF12-02
G3/8		PCF6-03	PCF8-03	PCF10-03	PCF12-03
G1/2					PCF12-04

Bulkhead Union: Premium Type



Panel mounting hole

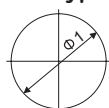


4/Φ12.5	PMM4-00				
6/Φ14.5		PMM6-00			
8/Φ16.5			PMM8-00		
10/Φ22.5				PMM10-00	
12/Φ24.5					PMM12-00

Bulkhead Female Straight: PMF Type



Panel mounting hole



G1/8	PMF4-01/Φ12.5	PMF6-01/Φ14.5			
G1/4		PMF6-02/Φ14.5	PMF8-02/Φ16.5	PMF10-02/Φ22.5	PMF12-02/Φ24.5
G3/8			PMF8-03/Φ16.5	PMF10-03/Φ22.5	PMF12-03/Φ24.5
G1/2					

Push-in Fitting LF3000 Series

Application:

Suitable for pneumatic system with compressed air as fluid and PU (and other non-metal) tubing as connecting pipe.

Features:

Easy connection and disconnection, reliable seal and saving time.

Specification

Fluid	Operating pressure MPa	Operating temperature °C
Compressed air	0~1.0	-15 ~ +70

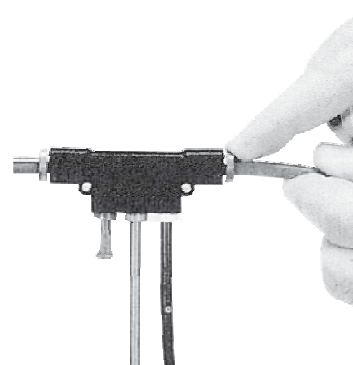
Connection:

1. Select different fittings according to the requirement.
2. Cut the tubing vertically, keep the cut smooth.
3. Push the tube into the fitting and to its end, passing the spring collect and sealing O-ring. Then turn the tube 1/3 rotation against the fitting.

Disconnection:

Push down the manual release ring at the top of fitting and pull the tube out.

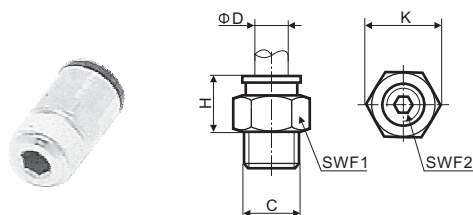
6



How to Order

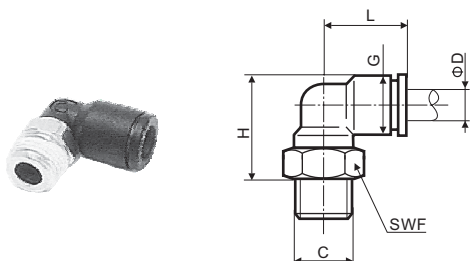
3175	06	10
Code	Outer diameter of tubing	Thread (or outer diameter of tubing)

3175 Type Male Straight



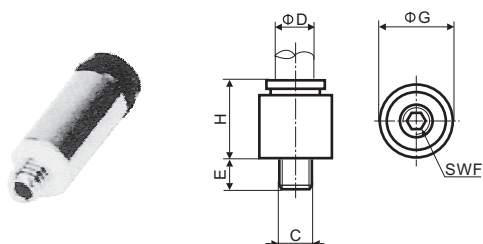
Model	ΦD	C	F ₁	F ₂	H	K	Weight kg
31750410	4	R1/8	10	3	15	11	0.010
31750413	4	R1/4	14	3	8	15	0.015
31750510	5	R1/8	10	4	15.5	11	0.019
31750513	5	R1/4	14	4	14.5	15	0.023
31750610	6	R1/8	11	4	17.5	12	0.018
31750613	6	R1/4	17	4	14.5	15	0.022
31750810	8	R1/8	13	5	19.5	14	0.018
31750813	8	R1/4	14	6	19	15	0.021
31750817	8	R3/8	17	6	12.5	18.5	0.028
31751013	10	R1/4	17	7	24.5	18.5	0.029
31751017	10	R3/8	19	8	21.5	21	0.040
31751021	10	R1/2	22	8	21.5	24	0.074
31751213	12	R1/4	19	7	26	21	0.065
31751217	12	R3/8	19	9	25	21	0.069
31751221	12	R1/2	22	10	22	24	0.065
31751417	14	R3/8	22	9	28	24	0.057
31751421	14	R1/2	22	11	24.5	24	0.060

3209 Type Male Elbow



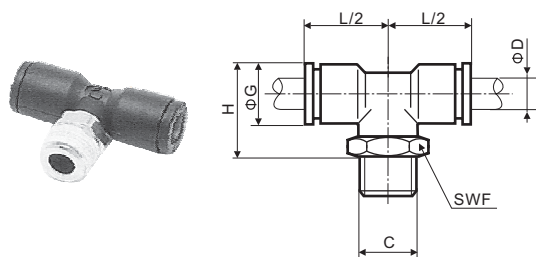
Model	ΦD	C	F	ΦG	H	L	Weight kg
32090410	4	R1/8	10	10	13.5	19.5	0.012
32090413	4	R1/4	14	10	15	19.5	0.019
32090510	5	R1/8	10	12	27.5	19	0.016
32090513	5	R1/4	14	12	27.5	19	0.020
32090610	6	R1/8	10	12.5	19	22.5	0.020
32090613	6	R1/4	14	12.5	17.5	22.5	0.023
32090810	8	R1/8	12	15	22	24.5	0.024
32090813	8	R1/4	14	15	20	24.5	0.028
32090817	8	R3/8	17	15	20	24.5	0.033
32091013	10	R1/4	14	19.5	26.5	30.5	0.055
32091017	10	R3/8	17	19.5	24.5	30.5	0.060
32091213	12	R1/4	17	22	29	32	0.071
32091217	12	R3/8	17	22	29	32	0.074
32091221	12	R1/2	21	22	27.5	32	0.092
32091417	14	R3/8	24	25.5	51	33.5	0.091
32091421	14	R1/2	24	25.5	51	33.5	0.095

3101 Type Round Male Straight



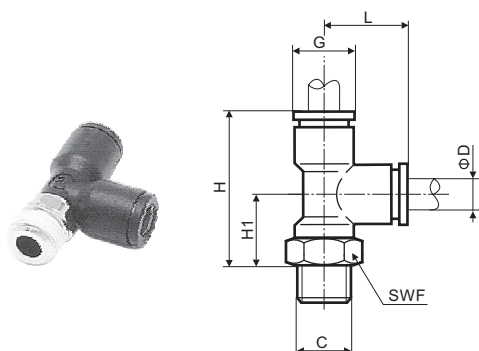
Model	ΦD	C	E	F	ΦG	H	Weight kg
31010419	4	M5	3.5	2.5	11	18.5	0.008
31010410	4	R1/8	5	3	14	17	0.015
31010413	4	R1/4	7	3	18.5	12	0.021

3108 Type Male Branch Tee



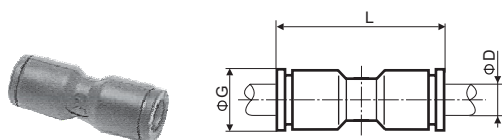
Model	ΦD	C	F	ΦG	H	L/2	Weight kg
31080410	4	R1/8	10	11	25.5	18	0.015
31080510	5	R1/8	13	12	27.5	19	0.020
31080513	5	R1/4	14	12	27.5	19	0.024
31080610	6	R1/8	13	13.5	31	20.5	0.025
31080613	6	R1/4	14	13.5	29	20.5	0.027
31080810	8	R1/8	14	16	33.5	22.5	0.030
31080813	8	R1/4	14	16	33.5	22.5	0.034
31081013	10	R1/4	19	21	42.5	28.5	0.069
31081017	10	R3/8	19	21	42.5	28.5	0.069
31081213	12	R1/4	22	23.5	47	30	0.088
31081217	12	R3/8	22	23.5	47	30	0.092
31081221	12	R1/2	22	23.5	47	30	0.110
31081417	14	R3/8	24	25.5	51	33.5	0.113
31081421	14	R1/2	24	25.5	51	33.5	0.114

3103 Type Male Run Tee



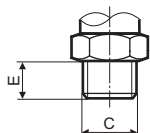
Model	ΦD	C	F	ΦG	H	H1	L	Weight kg
31030410	4	R1/8	10	11	38	20	18	0.015
31030510	5	R1/8	13	12	39.5	20.5	19	0.020
31030513	5	R1/4	14	12	39.5	20.5	19	0.025
31030610	6	R1/8	13	13.5	44.5	24	20.5	0.025
31030613	6	R1/4	14	13.5	42.5	22	20.5	0.028
31030810	8	R1/8	14	16	48	25.5	22.5	0.030
31030813	8	R1/4	14	16	48	25.5	22.5	0.034
31031013	10	R1/4	19	21	60.5	32	28.5	0.069
31031017	10	R3/8	19	21	60.5	32	28.5	0.069
31031213	12	R1/4	22	23.5	65	35	30	0.087
31031217	12	R3/8	22	23.5	65	35	30	0.091
31031221	12	R1/2	22	23.5	65	35	30	0.109
31031417	14	R3/8	24	25.5	71.5	38	33.5	0.113
310381421	14	R1/2	24	25.5	71.5	38	33.5	0.114

3106 Type Union Straight



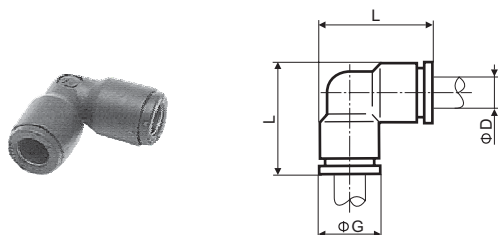
Model	ΦD	ΦG	L	Weight kg
31060400	4	11	36	0.006
31060500	5	12	34.5	0.008
31060600	6	13.5	41	0.010
31060800	8	16	45	0.013
31061000	10	21	47	0.027
31061200	12	23.5	48	0.033
31061400	14	25.5	53	0.043

Length of thread



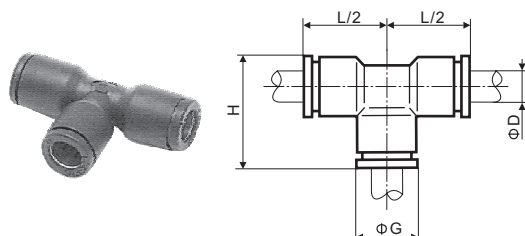
C	M5	R1/8	R1/4	R3/8	R1/2
E	3.5	6	8	8	9.5

3102 Type Union Elbow



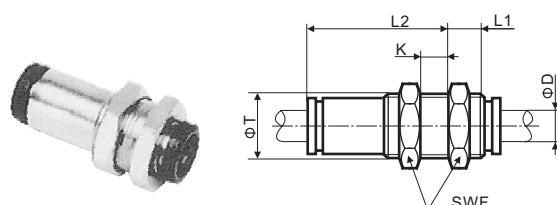
Model	ΦD	ΦG	L	Weight kg
31020400	4	11	23.5	0.006
31020500	5	12	25	0.008
31020600	6	13.5	27.5	0.010
31020800	8	16	30.5	0.012
31021000	10	21	39	0.027
31021200	12	23.5	42	0.035
31021400	14	25.5	46.5	0.045

3104 Type Union Tee



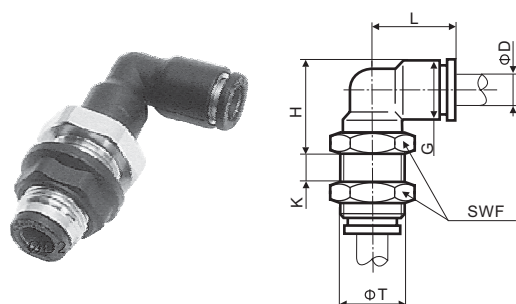
Model	ΦD	ΦG	H	L/2	Weight kg
31040400	4	11	23.5	18	0.010
31040500	5	12	26	19	0.012
31040600	6	13.5	27.5	20.5	0.014
31040800	8	16	30.5	22.5	0.017
31041000	10	21	39	28.5	0.042
31041200	12	23.5	42	30	0.059
31041400	14	25	46	33.5	0.067

3116 Type Bulkhead Union



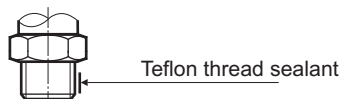
Model	ΦD	F	K	L1	L2	ΦT	Weight kg
31160400	4	14	6.5	5.5	24.5	12.5	0.019
31160500	5	17	7	5.5	29	14.5	0.025
31160600	6	17	7	5.5	29	14.5	0.029
31160800	8	19	7	6.5	29	16.5	0.033
31161000	10	24	12	7	39	22.5	0.084
31161200	12	27	13	7	41	24.5	0.102
31161400	14	30	15	8	44	26.5	0.265

3139 Type Bulkhead Male Elbow



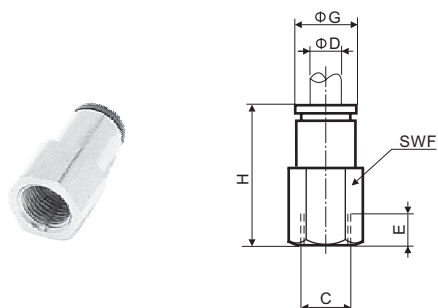
Model	ΦD	F	ΦG	H	K	L	ΦT	Weight kg
31390400	4	14	11	23.5	6.5	18	12.5	0.020
31390500	5	17	12.5	26	7	20	14.5	0.028
31390600	6	17	13.5	26.5	7	20.5	14.5	0.037
31390800	8	19	16	30.5	7	22.5	16.5	0.040
31391000	10	24	21	38.5	10	28.5	22.5	0.081
31391200	12	27	23.5	44.5	12	30	24.5	0.123
31391400	14	30	25.5	47	15	33.5	26.5	0.142

Thread Sealant



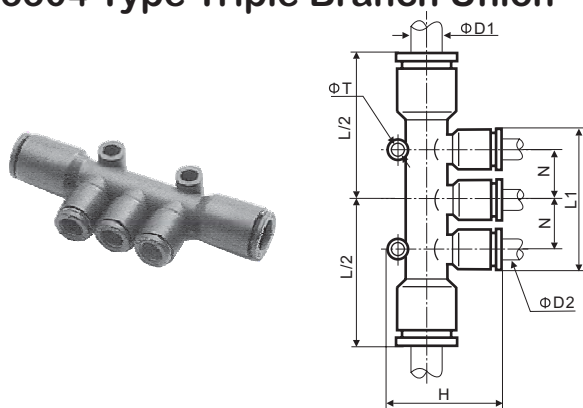
Note: All taper threads of LF3000 are pre-coated with Teflon sealant.

3114 Type Female Straight



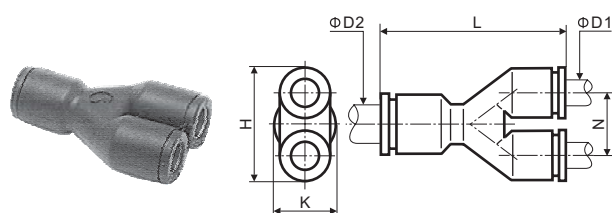
Model	ΦD	C	E	F	ΦG	Weight kg
31140419	4	M5	6.5	10	24	0.025
31140410	4	R1/8	9.5	13	27	0.021
31140413	4	R1/4	13.5	17	31	0.032
31140510	5	R1/8	9.5	13	29	0.026
31140513	5	R1/4	13.5	17	33	0.036
31140610	6	R1/8	9.5	13	29	0.023
31140613	6	R1/4	13.5	17	33	0.035
31140810	8	R1/8	9.5	13	30	0.037
31140813	8	R1/4	13.5	17	34	0.038
31141017	10	R3/8	14	19	39	0.073
31141217	12	R3/8	14	19	40.5	0.092
31141221	12	R1/2	18.5	24	45	0.114

3304 Type Triple Branch Union



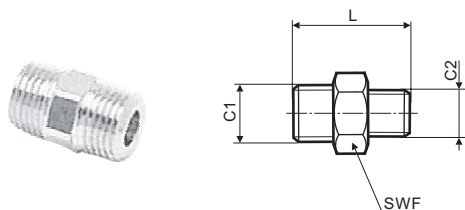
Model	ΦD1	ΦD2	H	L1	L/2	N	ΦT	Weight kg
33040604	6	4	25.5	36	34	11	3.2	0.023
33040804	8	4	29	47	38	14	4.2	0.031
33040806	8	6	29	47	38	14	4.2	0.033
33041006	10	6	32.5	54	44.5	16	4.2	0.058
33041008	10	8	32.5	54	44.5	16	4.2	0.060

3140 Type Y Union



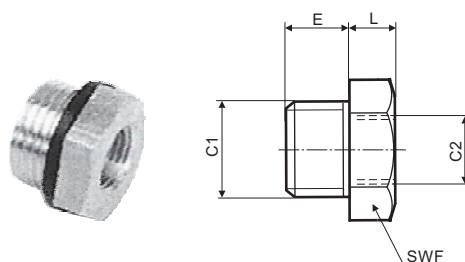
Model	ΦD1	ΦD2	H	K	L	N	Weight kg
31400400	4	4	22	11	33	11	0.012
31400406	4	6	28	13	44	14	0.026
31400600	6	6	28	13	40.5	14	0.019
31400608	6	8	32	15	48	16	0.035
31400800	8	8	32	15	44.5	16	0.023
31400810	8	10	43	20	60.5	21.5	
31401000	10	10	43	20	61	21.5	

0121 Type Straight Male Adapter



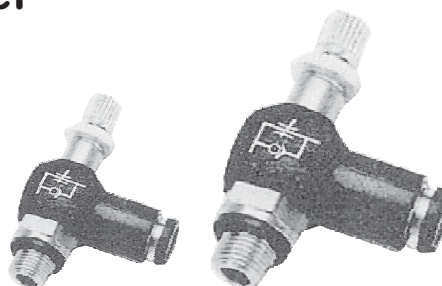
Model	C1	C2	F	L	Weight kg
01211010	R1/8	R1/8	11	19	0.009
01211313	R1/4	R1/4	14	27	0.021
01211310	R1/4	R1/8	14	23.5	0.021
01211717	R3/8	R3/8	17	28	0.025
01211713	R3/8	R1/4	17	27.5	0.024
01211710	R3/8	R1/8	17	24	0.022
01212121	R1/2	R1/2	22	36	0.053
01212117	R1/2	R3/8	22	32.5	0.045
01212113	R1/2	R1/4	22	32	0.045
01212110	R1/2	R1/8	22	28.5	0.041
01212727	R3/4	R3/4	27	40	0.092
01212721	R3/4	R1/2	27	39	0.084
01212717	R3/4	R3/8	27	35.5	0.076
01212713	R3/4	R1/4	27	35	0.079
01213434	R1"	R1"	36	46	0.156
01213427	R1"	R3/4	36	43	0.143
01213421	R1"	R1/2	36	42	0.133
01213417	R1"	R3/8	36	38.5	0.126
01214242	R1"1/4	R1"1/4	46	53	0.233
01214234	R1"1/4	R1"	46	50.5	0.237
01214227	R1"1/4	R3/4	46	47.5	0.229
01214221	R1"1/4	R1/2	46	46.5	0.219

0168 Type Bushing Adapter



Model	C1	C2	E	F	L	Weight kg
01681019	R1/8	M5	6	14	4.5	0.008
01681310	R1/4	R1/8	8	17	5	0.010
01681710	R3/8	R1/8	9	19	5	0.020
01281713	R3/8	R1/4	9	19	5	0.013
01682110	R1/2	R1/8	11	24	7	0.046
01682113	R1/2	R1/4	11	24	7	0.038
01682117	R1/2	R3/8	11	24	7	0.026
01682713	R3/4	R1/4	11	32	9	0.090
01682717	R3/4	R3/8	11	32	9	0.078
01682721	R3/4	R1/2	11	32	9	0.058

Push-in One-way Speed Controller 7710 Type (Metering-out)

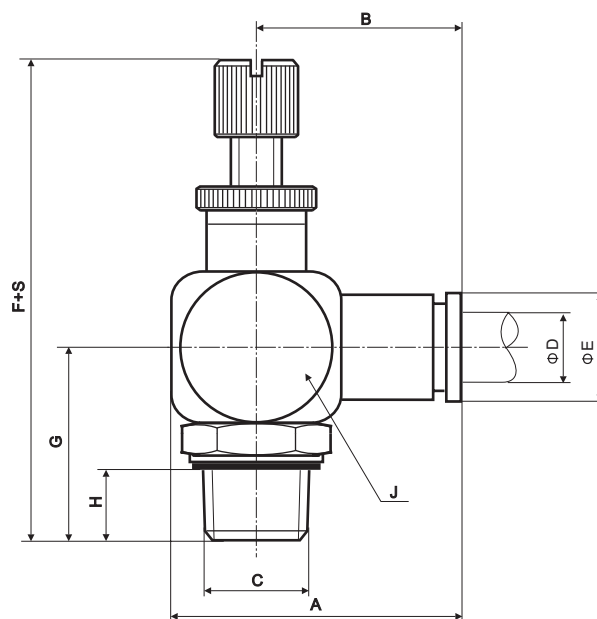
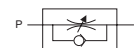


Specifications

Fluid	Filtered compressed air
Operating pressure MPa	0.03~0.7
Opening pressure MPa	0.03
Ambient temperature °C	5~60

Dimensions (mm)

Symbol

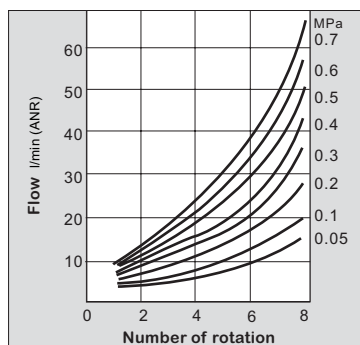


Model	A	B	C	ΦD	ΦE	F	G	H	J	S	Weight _g
77100419	25.2	20.7	M5×0.8	4	11	30	14	—	8	2.5	10
77100410	25.7	20.7	R1/8	4	11	32.6	16.5	—	10	2.5	13
77100619	29.7	23.2	M5×0.8	6	13	36.2	16.4	—	12	3.1	20
77100610			R1/8	6		39.3	19.5	4	12		22
77100613			R1/4	6		42.3	22.5	6	14		27.5
77100810	33.6	26.1	R1/8	8	15	41.9	20.5	4	14	5	30.5
77100813			R1/4	8		44.9	23.5	6	14		35.5
77100817			R3/8	8		45.9	24.5	6.5	17		43
77101013	37.1	28.1	R1/4	10	17	48.3	24.5	6	17	6	51
77101017			R3/8	10		49.3	25.5	6.5	17		58
77101021			R1/2	10		53.3	29.5	8	21		76
77101217	41.1	30.6	R3/8	12	20	52	27	6.5	19	9	75
77101221			R1/2	12		56	31	8	21		93

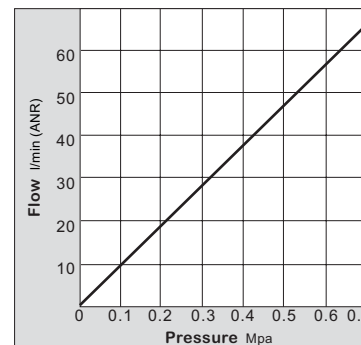
Flow Characteristics

77100419
77100410

P→A

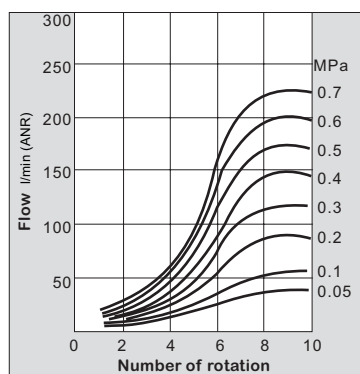


A→P

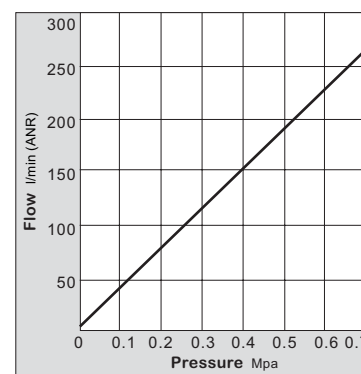


77100619
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P→A

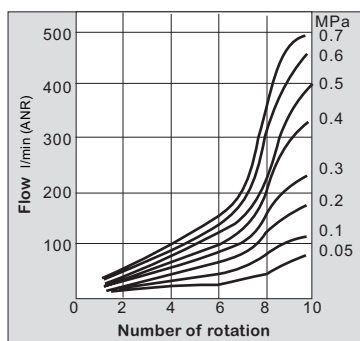


A→P

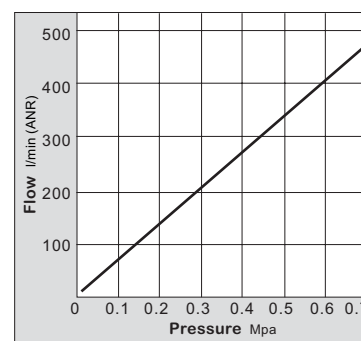


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P→A

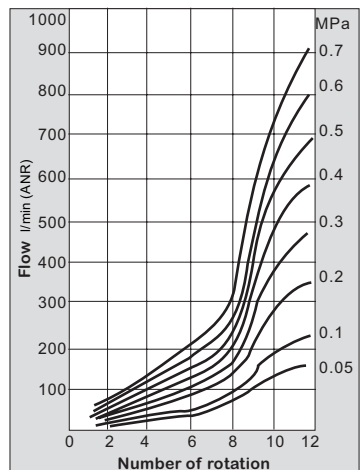


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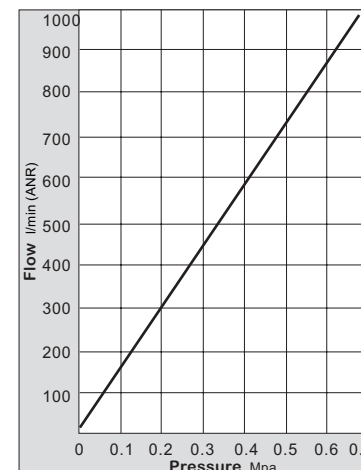


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P→A

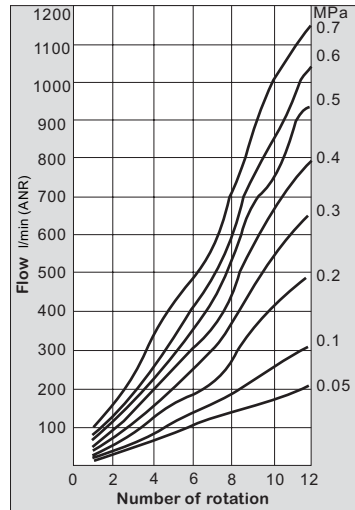


A→P

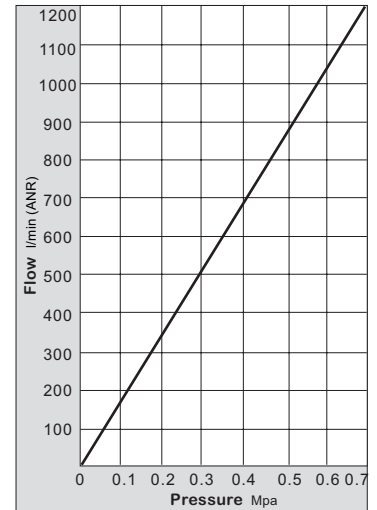


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P→A



A→P



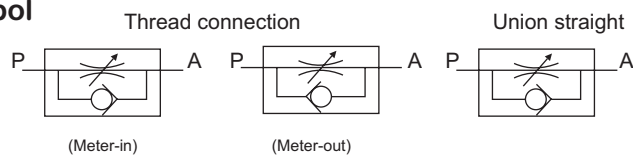
Push-in One-way Speed Controller

SC Series

Thread Connection



Symbol



Max. Operating pressure	0.9MPa
Min. Operating pressure	0.1MPa
Ambient and fluid temperature	5~60℃
Adjustable angle	9 turns

Model (Meter-out)	Model (Meter-in)	Tubing OD mm	Thread (BSPT)	*Flow l/min(ANR)
SC1200F 4-M5	SC1210F 4-M5	4	M5	100
SC2200F 4-01	SC2210F 4-01	4	1/8	180
SC2200F 4-02	SC2210F 4-02	4	1/4	260
SC1200F 6-M5	SC1210F 6-M5	6	M5	100
SC2200F 6-01	SC2210F 6-01	6	1/8	230
SC2200F 6-02	SC2210F 6-02	6	1/4	390
SC3200F 6-02	SC3210F 6-02	6	1/4	660
SC3200F 6-03	SC3210F 6-03	6	3/8	660
SC2200F 8 -01	SC2210F 8-01	8	1/8	230
SC2200F 8-02	SC2210F 8-02	8	1/4	460
SC3200F 8-02	SC3210F 8-02	8	1/4	790
SC3200F 8-03	SC3210F 8-03	8	3/8	790
SC2200F 10 -02	SC2210F 10-02	10	1/4	460
SC3200F 10-02	SC3210F 10-02	10	1/4	920
SC3200F 10-03	SC3210F 10-03	10	3/8	920
SC4200F 10-04	SC4210F 10-04	10	1/2	1580
SC4200F 12 -03	SC4210F 12-03	12	3/8	1710
SC4200F 12-04	SC4210F 12-04	12	1/2	1710

*Max. Free flow when supply pressure is 0.5MPa; ambient and fluid temperature is 20℃.

Union Straight



Model	Tubing OD mm	*Flow l/min(ANR)
SC1000F-04	4	100
SC2000F-06	6	155
SC2050F-08	8	270
SC3000F-10	10	690
SC4000F-12	12	1380

*Max. Free flow when supply pressure is 0.5MPa; ambient and fluid temperature is 20℃.

Blow Gun QG02 Series

Large Flow Type QG02-L

It blows air in a cone shape. It is suited to blow away a big amount of scraps and minimize their rebound. Can also be used in drying and cooling.



Model	QG02-K	QG02-L	QG02-N
Fluid	Compressed air		
Max. Operating pressure MPa	1.0		
Max. Flow rate l/min(ANR)	312		
Noise level dB(A)	86	85	87
Type	Extension tube	Large flow	Light weight
Bore size	G 1/4		

Parts List

Description	Material
Body	Reinforced nylon
Nozzle	Brass
Spring	Stainless steel
Seal	NBR
Connecting nipple	Brass
(Jet tube)	Aluminium

Extension Tube Type QG02-K

The high speed and narrow air flow from the long jet tube is suited to clean deep holes and blind spots.



Light Weight Type QG02-N

Light weight, easy to handle.
Suited to use in many working conditions.

Tube PU,N Series

Polyurethane Tube PU Series



· SGS & RoHS certificated.

Model	OD mm		ID mm	Thickness mm	Length m	Note 2:	Note 3: Max. Burst pressure MPa	Min. Bending radius mm	Max. Operating pressure MPa	Weight g/m	Colour
	nominal	tolerance									
PU0425 □ -△△△	4	±0.10	2.5	0.75	25 100 200		3.2	10	1	9	Black • Blue • Trans- parent
PU0503 □ -△△△	5	±0.10	3.0	1.00	25 100 200		3	13	1	14	
PU0604 □ -△△△	6	±0.10	4.0	1.00	25 100		2.7	16	1	18	
PU0855 □ -△△△	8	±0.10	5.5	1.25	25 100		2.8	22	1	35	
PU1065 □ -△△△	10	±0.15	6.5	1.75	25 100		3	28	1	55	
PU1208 □ -△△△	12	±0.15	8.0	2.00	25 100		2.8	37	1	78	
Pu1495 □ -△△△	14	±0.15	9.5	2.25	25 100		2.8	55	1	102	

Notes: 1. □ - Colour
B - Black
BU - Blue
C - Transparent

2. △△△ - Length
25-25 meter / roll
100-100 meter / roll
200-200 meter / roll

3. At temperature 20°C

Nylon 6 Tube N Series



Model	OD mm		ID mm	Thickness mm	Length m	Note 2:	Note 3: Max. Burst pressure MPa	Min. Bending radius mm	Max. Operating pressure MPa	Weight g/m	Colour
	nominal	tolerance									
N 0425 □ -△△△	4	±0.08	2.5	0.75	25 200		9.9	17	2	7	Black • Milky
N 0604 □ -△△△	6	±0.08	4.0	1.00	25 100		6.6	37	2	15	
N 0806 □ -△△△	8	±0.08	6	1.00	25 100		6.3	48	2	23	
N 1075 □ -△△△	10	±0.08	7.5	1.25	25 100		6.7	66	2	35	
N 1209 □ -△△△	12	±0.10	9	1.5	25 100		6.4	76	2	53	

Notes: 1. □ - Colour
B - Black
W - Milky

2. △△△ - Length
25-25 meter / roll
100-100 meter / roll
200-200 meter / roll

3. At temperature 20°C

Memo