



PNEUMATIC

SIMPLE CATALOGUE

Development History

									
XPCPC 1991 Factory founded	1995 800+ m ² 28+ Staff 3+ NC Machinery	1997 "XPCPC" brand founded	2001 Approved by ISO9001	2002 First year start export	2005 3000+ m ² R&D center founded 15+ NC Machinery	2009 6000+ m ² 176+ Staff	2012 Professor researching center founded	2015 20000+ m ² 300+ Staff 100+ NC Machinery	2018 Exporting to 100+ Countries XPCPC agent in 38 countries



Solenoid Valve



Ordering Code

4M

Specification Code
4M: Two(Three)-position
Five-way Plate Type Valve

2

Body Size
2: 1/8" and 1/4"
Valve body
3: 1/4" and 3/8"
Valve body

10

Coil and Places
10: Single-head
Double-position
20: Double-head
Double-position

06

Port Size
06: G1/8"
08: G1/4"
10: G3/8"

AC220V

Standard Voltage
DC12V
DC24V
AC24V 50Hz/60Hz
AC110V 50Hz/60Hz
AC220V 50Hz/60Hz
AC380V 50Hz/60Hz

W

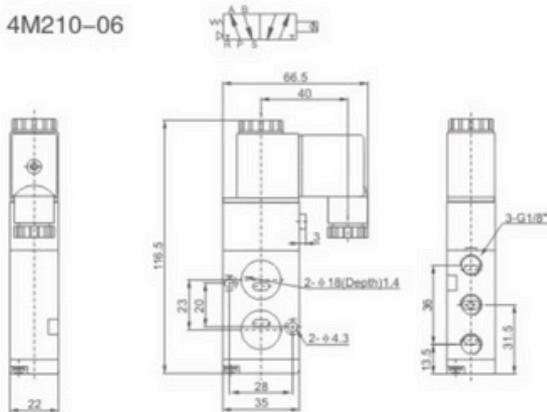
Wiring Form
Blank: standard
Connector
LD: Brown with
Lighting Connector
LD1: White with
Lighting Connector
W: Lead Wire Type

Specification

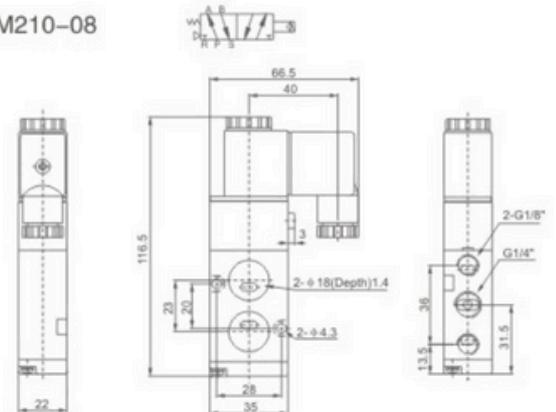
Model	4M210-06	4M220-06	4M210-08	4M220-08	4M310-08	4M320-08	4M310-10	4M320-10
Working Medium	40 Micron Filtered Air							
Motion Pattern	Inner Guide Type							
Position and Way NO.	Two-position three-way							
Effective Section Area	14mm ² (CV=0.78)		16mm ² (CV=0.89)		25mm ² (CV=1.39)		30mm ² (CV=1.67)	
Port Size	Air Inlet=Exhaust=G1/8"		Air Inlet=G1/4"/Exhaust=G1/8"		Air Inlet=Exhaust=G1/4"		Air Inlet=G3/8"Exhaust=G1/4"	
Lubricate	Not Necessary							
Working-Pressure	0.15-0.8MPa							
Max Pressure Resistance	1.2MPa							
Operating Temperature	5-60°C							
Voltage Range	-15%~+10%							
Power Consumption	AC380V:2.5VA,AC220V:2.0VA,AC110V:2.5VA,AC24V:3.5VA,DC24V:3.0W,DC12V:2.5W							
Insulation & Protection Class	F Class IP65							
Wiring Form	Lead wire or Connector type							
Highest Action Frequency	5 Cycle / Sec							
Shortest Excitation Time	0.05 Second							

Overall Dimensions

4M210-06

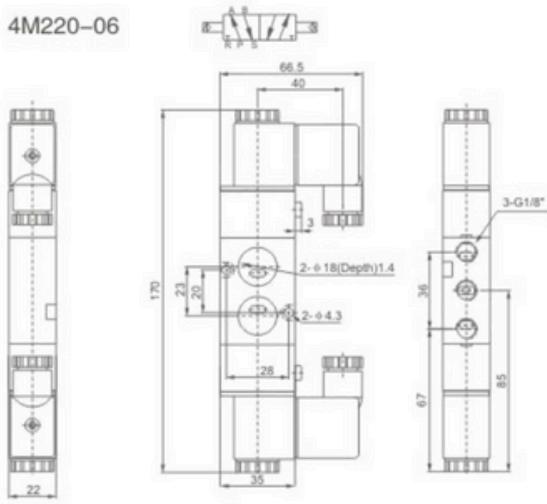


4M210-08

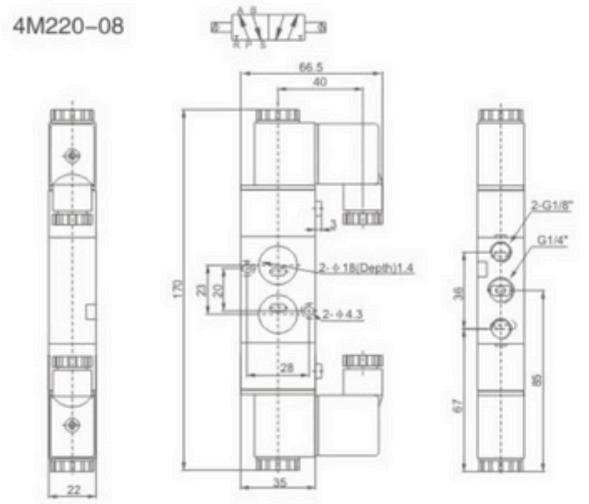




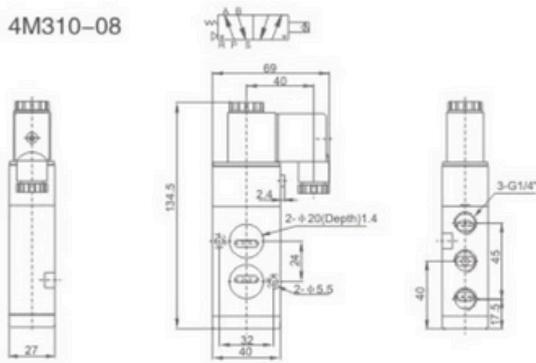
4M220-06



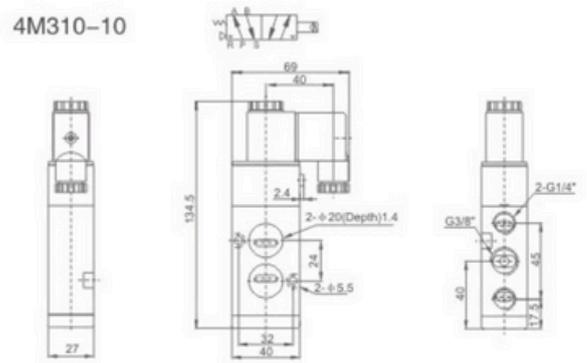
4M220-08



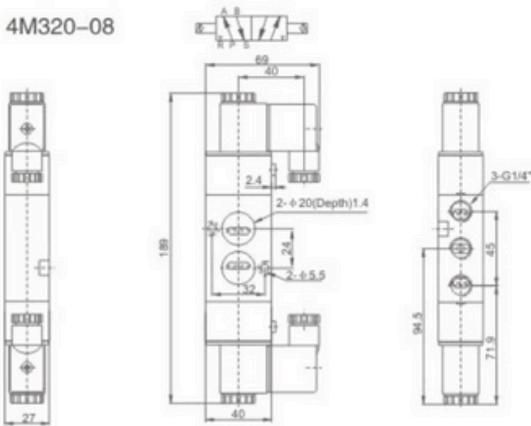
4M310-08



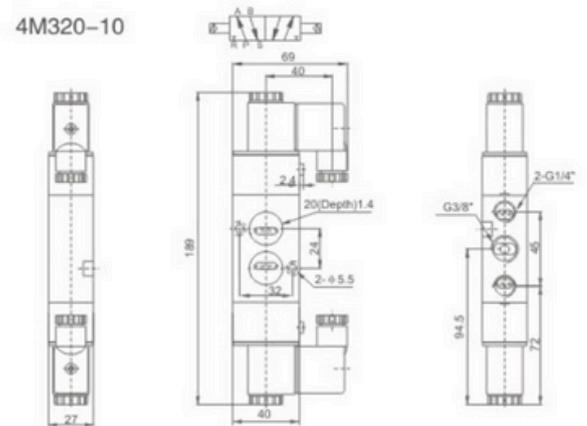
4M310-10



4M320-08



4M320-10





Air Source Treatment Unit



Ordering Code

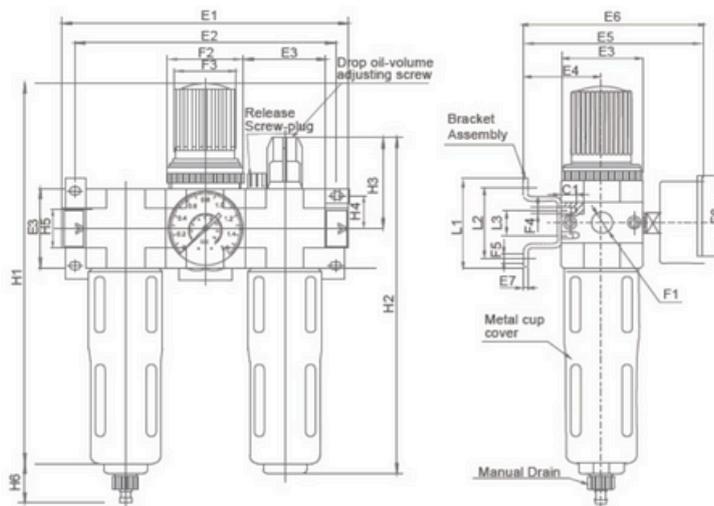
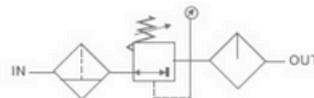
XO	C	MINI	1/4	□	□	□
Series XO Series	Function code F,R,L Combination	Body MINI MIDI MAXI	Port Size G1/8" G1/2" G1/4" G3/4" G3/8" G1"	Grade of Filtration Blank:40µm 5M:5µm	Manometer Blank:12bar 7:7bar	Drain Type Blank: Turnd Manually S:Half-Auto Drain Type A:Auto Drain Type

Specification

Model		MINI			MIDI		MAXI		
Manual Drain	Working pressure:12bar,40µm	XOC-1/8-MINI	XOC-1/4-MINI	XOC-3/8-MINI	XOC-3/8-MIDI	XOC-1/2-MIDI	XOC-3/4-MIDI	XOC-3/4-MAXI	XOC-1-MAXI
	Working pressure:7bar,40µm	XOC-1/8-7-MINI	XOC-1/4-D-7-MINI	XOC-3/8-7-MINI	XOC-3/8-7-MIDI	XOC-1/2-7-MIDI	XOC-3/4-7-MIDI	XOC-3/4-7-MAXI	XOC-1-7-MAXI
	Working pressure:12bar,5µm	XOC-1/8-5M-MINI	XOC-1/4-5M-MINI	XOC-3/8-5M-MINI	XOC-3/8-5M-MIDI	XOC-1/2-5M-MIDI	XOC-3/4-5M-MIDI	XOC-3/4-5M-MAXI	XOC-1-5M-MAXI
Manometer	0~12bar	OMA-40-16-1/8					OMA-50-16-1/4		
	0~7bar	OMA-40-10-1/8					OMA-50-10-1/4		
Medium		Compressed air							
Features of structure		Sintered filter with water separator;MINI/MIDI:MAXI:Piston regulator;Diaphragm type regulator;Direct constant-density lubricator							
Mounting type		Pipe mounting or foot mounting							
Assembly position		Vertical ±5°							
Connection		G1/8"	G1/4"	G3/8"	G3/8"	G1/2"	G3/4"	G3/4"	G1"
Standard nominal flow rate	XOC-...(-A)	700	1000	1200	2000	2600	2600	7000	8000
	XOC-...-7(-A)	800	1300	1500	2500	2800	2800	8500	8700
	XOC-...-5M(-A)	600	850	1050	1700	1800	2100	6500	7200
Primary pressure	Manual condensate drain	1~16bar							
	Automatic condensate drain	1.5~12bar							
Working pressure		0.5~12bar/0.5~7bar							
Min.Standard nominal flow rate		3 L/min			6 L/min		10 L/min		
Grade of filtration		40µm/5µm							
Capacity of condensate fluid		22ml			43ml		80ml		
Temperature range		0~60℃							
Materials information		Housing:Zinc die-casting;Filter bowl and oil bowl:PC;Metal bowl guard:Aluminum alloy;Sealing:NBR;Adjusting knob:POM							

Overall Dimensions

Graphic Symbol



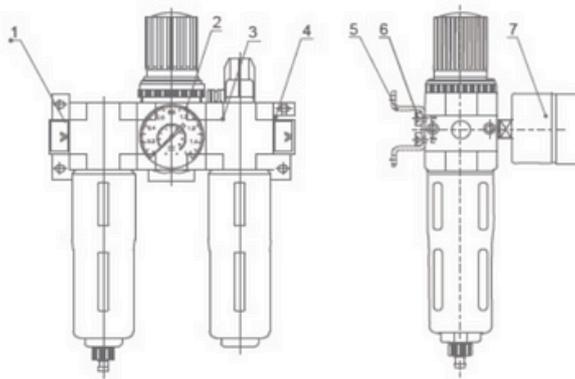


Model	E1	E2	E3	E4	E5	E6	E7	F1	F2
XOC-MINI	143	132	40	39	76	95	2	G1/8",G1/4",G3/8"	M36×1.5
XOC-MIDI	193	180	55	47	93	112	3	G3/8",G1/2",G3/4"	M52×1.5
XOC-MAXI	247	220	66	53	104	124	3	G3/4",G1"	M52×1.5

Model	F3Φ	F4	F5Φ	F6Φ	L1	L2	L3	H1	H2	H3	H4	H5	H6
XOC-MINI	31	M4	4.5	41	44	35	11	194	169	69	17.5	20	15
XOC-MIDI	50	M5	5.5	352	71	60	22	250	206	97	24.5	32	15
XOC-MAXI	50	M5	5.5	53	71	60	22	272	226	80	24.5	32,40	15

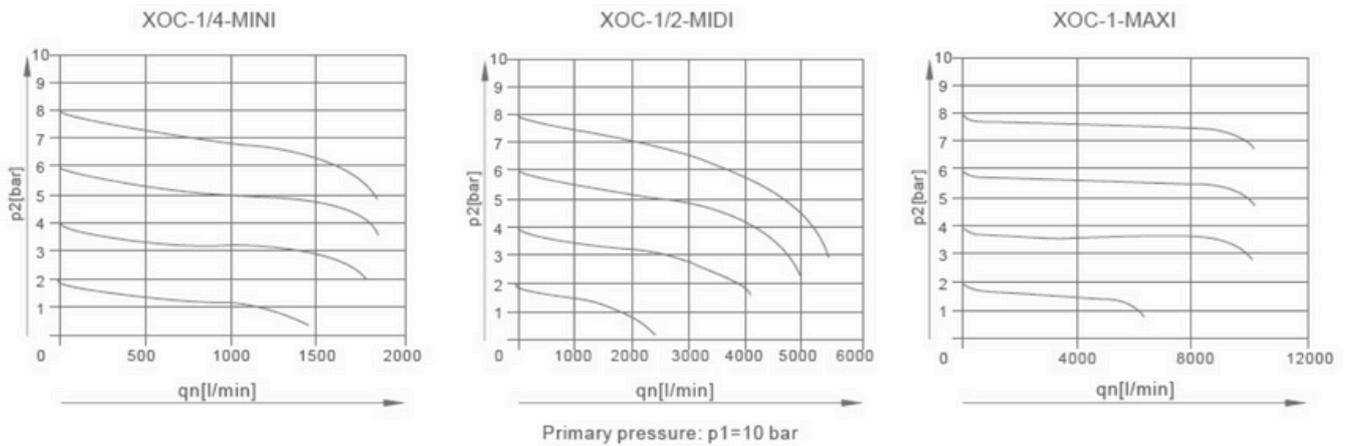
Note: The Color Can Be Customized According to Your Requirement.

Other info



No	Name	Material
1	Flange-IN	Zinc alloy
2	Filter + Regulator	
3	Lubricator	
4	Flange - OUT	Zinc alloy
5	Bracket	SPCC
6	Allen screw	S35C
7	Pressure gauge	

Standard flow rate q_n as a function of the output pressure p_2



XO Series



XOU-MINI	XOU-MIDI	XOU-MAXI	XOFR-MINI	XOFR-MIDI	XOFR-MAXI	XOR-MINI	XOR-MIDI	XOR-MAXI	XOF-MINI	XOF-MIDI	XOF-MAXI	XOL-MINI	XOL-MIDI	XOL-MAXI
G1/8"	G3/8"	G3/4"	G1/8"	G3/8"	G3/4"	G1/8"	G3/8"	G3/4"	G1/8"	G3/8"	G3/4"	G1/8"	G3/8"	G3/4"
G1/4"	G1/2"	G1"	G1/4"	G1/2"	G1"	G1/4"	G1/2"	G1"	G1/4"	G1/2"	G1"	G1/4"	G1/2"	G1"
G3/8"	G3/4"		G3/8"	G3/4"		G3/8"	G3/4"		G3/8"	G3/4"		G3/8"	G3/4"	



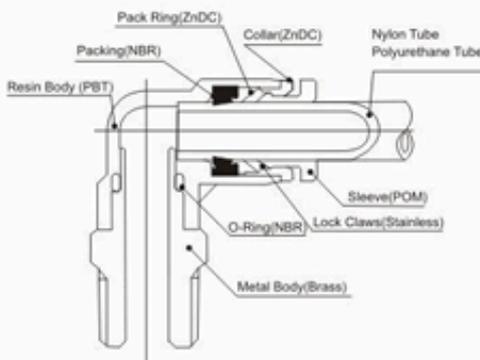
Pneumatic Fittings



◆ Application

One-touch joints used in pneumatic piping.
Used for a wide variety of modes to meet all needs.

Structural Diagram



◆ Case In Use

• POC Model

The hexagonal hole of the inside body make it possible to tighten the fitting with a hexagonal wrench.

A hexagonal wrench must be used due to the round exterior.

• PL Model

Flexible for directional tube laying given its revolving construction of body (PL and PT type)

• PL Model

Elliptical sleeve makes it possible to apply and remove the tube easily in confined spaces.

◆ Feature

Easy to connect/disconnect tube by one touch.

PC type is useful for piping in confined space, given its six-angle wrench processing inside.

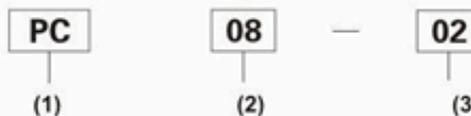
Elliptical sleeve makes it possible to apply and remove the tube easily in confined space.

Fittings are equipped with a Gasket, O-ring and Teflon-Treatment already on the thread.

◆ Specification

Fluid	Air (No other gases or liquids)	
Working Pressure Range	0~150PSI	0~9Kgf/cm ² (0~900Mpa)
Negative Pressure	-29.5in Hg	-750mm Hg (10Torr)
Temperature Range	32-140F	0~60°C
Applicable Tube Material	Polyurethane and Nylon	

◆ Product Code System



(1) Type

(2) Tube Dia (φ D)

	Metric Size						Inch Size					
Code	04	06	08	10	12	16	5/32	3/16	1/4	5/16	3/8	1/2
Dia	φ 4	φ 6	φ 8	φ 10	φ 12	φ 16	φ 5/32	φ 3/16	φ 1/4	φ 5/16	φ 3/8	φ 1/2

(3) Thread Size (T)

*Metric Thread & R(PT) Thread

	Metric Size		Taper Pipe Thread			
Code	M5	M6	01	02	03	04
Size	M5×0.8	M6×1.0	R1/8	R1/4	R3/8	R1/2

*Inch Thread (UNF & NPT)

	Unified Fine Thread	American Standard Taper Pipe Thread				BSP Standard Taper Pipe Thread			
Code	U	N1	N2	N3	N4	G01	G02	G03	G04
Size	10-32UNF	NPT1/8	NPT1/4	NPT3/8	NPT1/2	G1/8	G1/4	G3/8	G1/2

Sleeve Color (Oval)		
Blue	Green	Yellow
Blank	Red	Orange
Sleeve Color (Round)		
Blue	Green	Yellow
Blank	Red	Orange

The color can be adjusted based on your require



Pneumatic Tube Fittings

XPC	XPOC	XPL	XPLL	XPLF	XPCF	XPB	XPD
XPX	XPKB	XPKD	XPH	XPHF	XPMF	XPGJ	XPLJ
XPLGJ	XPYJ	XPWJ	XPIJ	XPKJ	XPDJ	XPXJ	XPSJ
XPTJ	XPP	XPIG	XPM	XPZA	XPKG	XPK	XPXG
XPXT	XPLM	XPHT(2)	XPHT(3)	XPPF	XPU	XPV	XPE
XPY	XPG	XPGE	XPEG	XPW			

Pneumatic Tube Fittings With G Thread(o-ring)

XPC-G	XPL-G	XPB-G	XPD-G	XPLH-G	XPLL-G	XPX-G	XPKD-G
XPH-G	XPHF-G	XPCF-G	XPLF-G	XPOC-G	XPXT-G	XPHT-G(2)	XPHT-G(3)



Speed Controls



XJSC

XJSC-G

XPA

XSS

XSS-G

Mini Fittings



XPC-C

XPB-C

XPCF-C

XPD-C

XPOC-C

XPLL-C

XPL-C

XPE-C

XPU-C

XPY-C

XPUL-C

XPC-G-C

XPG-C

XPL-G-C

XPW-C

Hand Valve/Ball Valve



XHVFF

XHVM-G

XHVSS

XHVSF

XHVFS

XHVFS-G

XHVSF-G

XHVSS-G

XBVU

XBVC

XBVC-G

Stop Fittings



XSPC

XSPL

XSPU

XSPC-G

XSPL-G

Check Valves



XCVPC

XCVPU

XCVPF

XCVPF-G

XCVPC-G



Metal Push-In Fittings



Metal Push-In Fittings With G Thread (O-Ring)



Stainless Steel 316 Push-In Fittings





Metal Speed Controls



XMNSE



XMNSE-G



XMNSP-G



XMNSP



XMNSR



XMNSF



XRCPC



XRCPH

Rapid Fittings For The Plastic Tubings



XRPC



XRSPC



XRPCF



XRPL



XRPLN



XRPLF



XRPT



XRPTN



XRPD



XRPDN



XRPH



XRDPH



XRTPH



XRPUC



XRPUL



XRPUT



XRPZA



XRPM



XRM



XRMS

Pipe Joint Fittings



XQPC



XQPL



XQPCF



XQPT



XQPD



XQPUC



XQPUL



XQPUT



XQPZA



XQPM



XQS



XQI



XQC



Silencer



Polyurethane Tube



Ordering Code

PU **8** × **5** — **B** — **100M**
Model code **Tube dia OD** **Tube dia ID** **Tube color** **Tube length**
 PU Tube OD ID 200m/roll:(4mm,6mm) 100m/roll:(above 8mm)

Applications

- Pneumatic system, air tools
- Vacuum
- Automation
- Plant Instrumentation
- Paint supply Lines
- Construction applications
- Motion control devices

Specification

Working Medium	Compressed air
Working-Pressure	0~1.0MPa
Service temperature range	-20~80°C
Durometer	95 or 98 A

Specification

Model	O.D.(mm)	I.D.(mm)	Thickness(mm)	Length M/Roll	Min.bend radius at 20°C(mm)	Min.burst pressure bar at 20°C(bar)	Max.working pressure at 20°C(bar)
PU 4x2.5	4	2.5	0.75	200	10	30	10
PU 6x4	6	4	1.00	200	15	30	10
PU 8x5	8	5	1.50	100	20	30	10
PU 10x6.5	10	6.5	1.75	100	30	30	10
PU 12x8	12	8	2.00	100	35	30	10
PU 16x12	16	12	2.00	100	65	24	8

■ Above lists are just referred the most basic sizes or styles of our products to you. Note:1/4",5/16",3/8",1/2",3/16" and other special sizes are also available.

Color

Color	Tranparent	Black	Orange	Blue	Dark blue	Sky blue	Clear blue	Green	Red	Yellow	Grey	Milk white
Code	C	B	O	BU	DB	SB	CB	GN	RD	YW	GY	MW
Supplid	●	●	●	●	◆	◆	◆	◆	◆	◆	◆	◆

● means our standard colours of tubing, normally have enough stocks.
 ◆ means the colours of tubing can be produced if ordered quantity meets our requested(contact us for details).