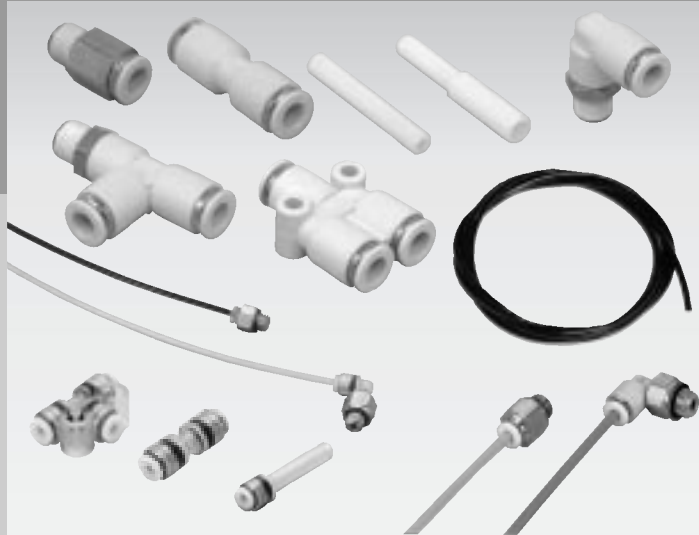


Joint / tube

■ Pneumatics auxiliary components



C O N T E N T S

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Joint

● Miniature joint (F)	922
● Joint (GW)	930
● Joint / mini-type (GWJ)	944
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Fiber tube

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● Push-in joints for fiber tube clean type (flame resistance type)	996
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Tube









● Antistatic tube (UP-**-F1)	1009
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● Coiling tube (KX)	1014
● Flame resistant tube (SR)	1015
● Tube knife (AZ)	1008

Refrigerating type dryer
Desiccant type dryer
High polymer membrane type dryer
Air filter
Auto. drain / others
F.R.L. (Module unit)
F.R.L. (Separate)
Compact F.R.
Precise regulator
F.R.L. (Related products)
Clean F.R.
Electro pneumatic regulator
Air booster
Speed control valve
Silencer
Check valve / others
Joint / tube
Vacuum filter
Vacuum regulator
Suction plate
Magnetic spring buffer
Mechanical pressure SW
Electronic pressure SW
Contact / close contact cont. SW
Air sensor
Pressure SW for coolant
Small flow sensor
Small flow controller
Flow sensor for air
Flow sensor for water
Total air system
Total air system (Gamma)

Ending



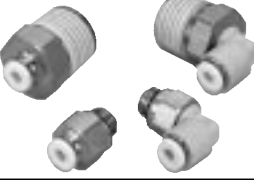

Joint / tube

Joint

Model / product appearance	Feature	Applicable bore size	Port size						Page
			M3	M5	1/8	1/4	3/8	1/2	
● Miniature joint F Series 	Miniature type Barbed, clamp joint	ø3.2	●	●	●				922
		ø4	●	●	●				
		ø6		●	●				
● Joint GW Series 	Push-in joint For R screw, standard sealant is applied. Flame resistance resin is provided as standard.	ø3.2	●	●				930	
		ø4	●	●	●	●			
		ø6		●	●	●	●		
		ø8			●	●	●		
		ø10				●	●		●
		ø12					●		●
● Joint mini-type GWJ Series 	Push-in joint Compact type For R screw, standard sealant is applied.	ø3.2	●	●	●			944	
		ø4		●	●				
		ø6		●	●				
		ø8		●	●	●			
● Joint stainless steel type ZSP Series 	Push-in joint SUS303 or equivalent is used for body metal For R screw, standard sealant is applied.	ø4		●	●	●		950	
		ø6		●	●	●	●		
		ø8			●	●	●		
		ø10				●	●		●
● Joint stainless steel type ZW Series 	Push-in joint Flame resistance resin is provided as standard. SUS304 is used for body metal For R screw, standard sealant is applied.	ø4		●	●	●		959	
		ø6		●	●	●	●		
		ø8			●	●	●		
		ø10				●	●		●
● Female joint stainless steel type ZJ Series 	Easy Fit mechanism, tightening joint SUS316 is used for body metal	ø4			●	●		963	
		ø6			●	●	●		
		ø8			●	●	●		
		ø10				●	●		●
		ø12				●	●		●
● Female joint MJ/JL Series 	Tightening joint Can be used for copper tube.	ø4			●	●	●	969	
		ø6			●	●	●		
		ø8			●	●	●		
		ø10				●	●		●
		ø12				●	●		●
● Rotary joint RJF Series 	High rigidity and low sliding resistance achieved with built-in bearing Ample lineup includes 4, 6, 8, 12 or 16 circuits	—		●	●			976	

Joint / tube

Series variation

Model / product appearance	Feature	Applicable bore size	Port size						Page
			M3	M5	1/8	1/4	3/8	1/2	
<p>● Push-in joints for fiber tube standard type PG Series</p> 	<p>Push-in joint PP resin incorporated as standard to increase corrosion resistance For R screw, standard sealant is applied.</p>	ø1.8	●	●	●				981
<p>● Push-in joints for fiber tube clean type CG Series</p> 	<p>Push-in joint PP resin incorporated as standard to increase corrosion resistance SUS304 is used for body metal</p>	ø1.8	●	●	●				981
<p>● Push-in joints for fiber tube flame resistant type RG Series</p> 	<p>Push-in joint Flame resistance resin is provided. For R screw, standard sealant is applied.</p>	ø1.8		●	●				996
<p>● Dedicated joint for fiber tube PTN* Series</p> 	<p>With retainer collar For R screw, standard sealant is applied.</p>	ø1.8	●	●	●				1002

Tube

Model	Feature	Tube outer diameter									Page
		ø1.8	ø3.2	ø4	ø6	ø8	ø10	ø12	ø15	ø16	
Fiber tube antistatic type (Push-in joint)	Extremely fine air tube as fine and flexible as lead wire. Appropriate where difficult to pipe or short piping such as narrow and tiny space, etc.	●									982
Fiber tube clean type (Push-in joint)	High corrosion resistant materials (special polyolefin) incorporated for use in cleanrooms. Ideal for fields a requiring clean environment, including semiconductor manufacturing, medicine, and foodstuff manufacturers.	●									982
Fiber tube flame resistant type (Push-in joint)	Push-in joint tubing using flame-resistant materials. Suitable for piping in narrow space while maintaining flexibility.	●									997
Fiber tube antistatic type	Extremely fine air tube as fine and flexible as lead wire. Outstanding flexibility and high piping freedom enable piping in difficult places such as small spaces.	●									1003
Antistatic tube	This tubing prevents electrostatic discharge and dust from accumulating. Outstanding flexibility and high piping freedom enable piping in difficult places such as small spaces.		●	●	●	●	●	●			1009
Soft nylon tube	Very flexible comparing to conventional nylon tube. Appropriate for piping in limited space or complicated piping.		●	●	●	●	●	●	●	●	1012
Urethane tube	Due to new manufacturing process, as same outer diameter as it was, while larger inner diameter and increased strength are realized. This piping tube is also used for larger than flow rate.			●	●	●	●	●			1013
Urethane tube	Durable and flexible due to high mechanical strength.		●	●	●	●	●	●			1014
Coiling tube	This is a coiling extensible tube.				●	●	●	●			1014
Flame resistant tube	Flame retardant material used epoch-making tube. When welding spark, etc., contact, tube does not last burning.			●	●	●	●	●			1015

Refrigerating type dryer
Desiccant type dryer
High polymer membrane type dryer
Air filter
Auto. drain / others
F.R.L. (Module unit)
F.R.L. (Separate)
Compact F.R.
Precise regulator
F.R.L. (Related products)
Clean F.R.
Electro pneumatic regulator
Air booster
Speed control valve
Silencer
Check valve / others
Joint / tube
Vacuum filter
Vacuum regulator
Suction plate
Magnetic spring buffer
Mechanical pressure SW
Electronic pressure SW
Contact / close contact cont. SW
Air sensor
Pressure SW for coolant
Small flow sensor
Small flow controller
Flow sensor for air
Flow sensor for water
Total air system
Total air system (Gamma)

Ending

Joint / tube