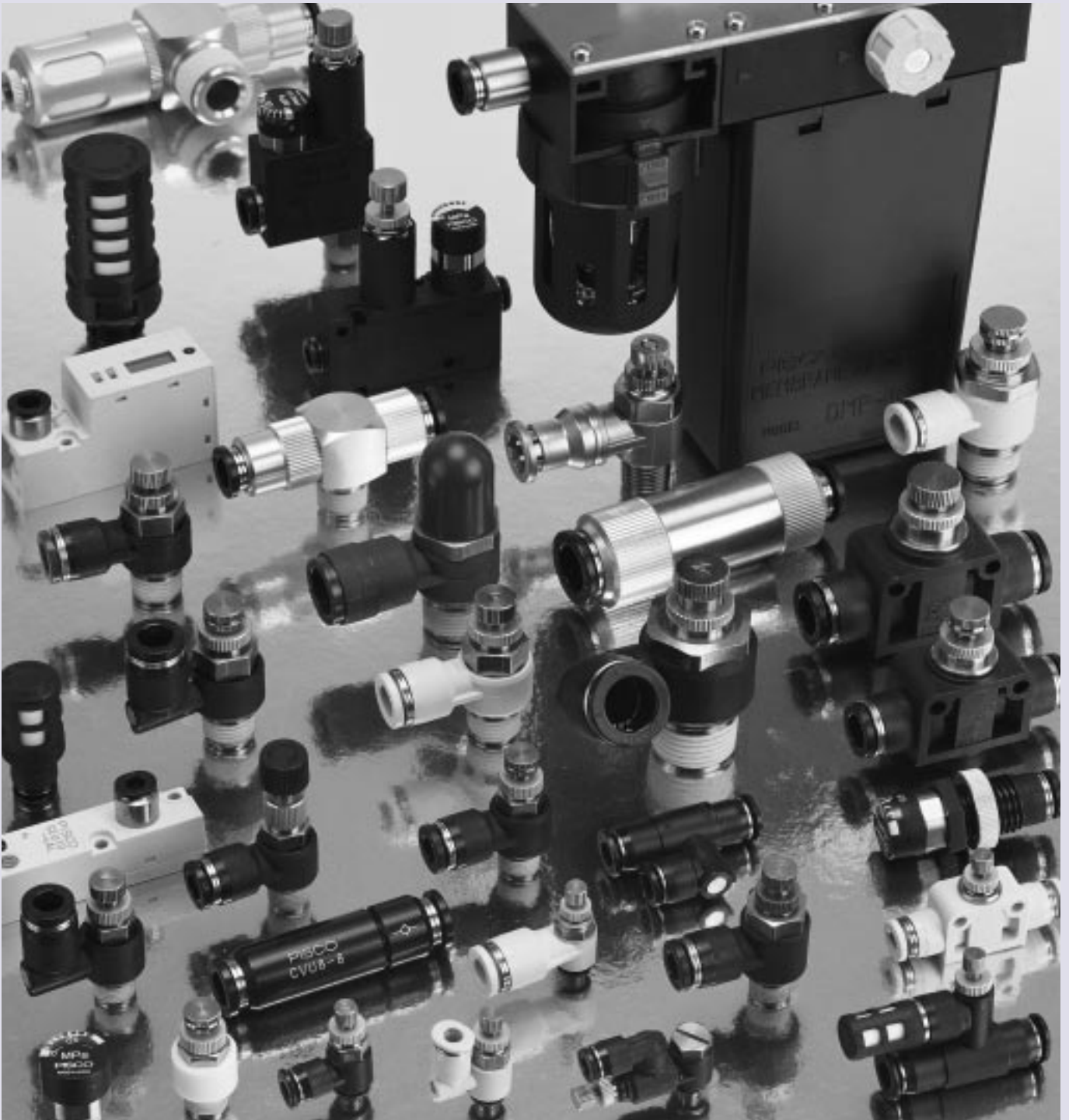


# Control Series

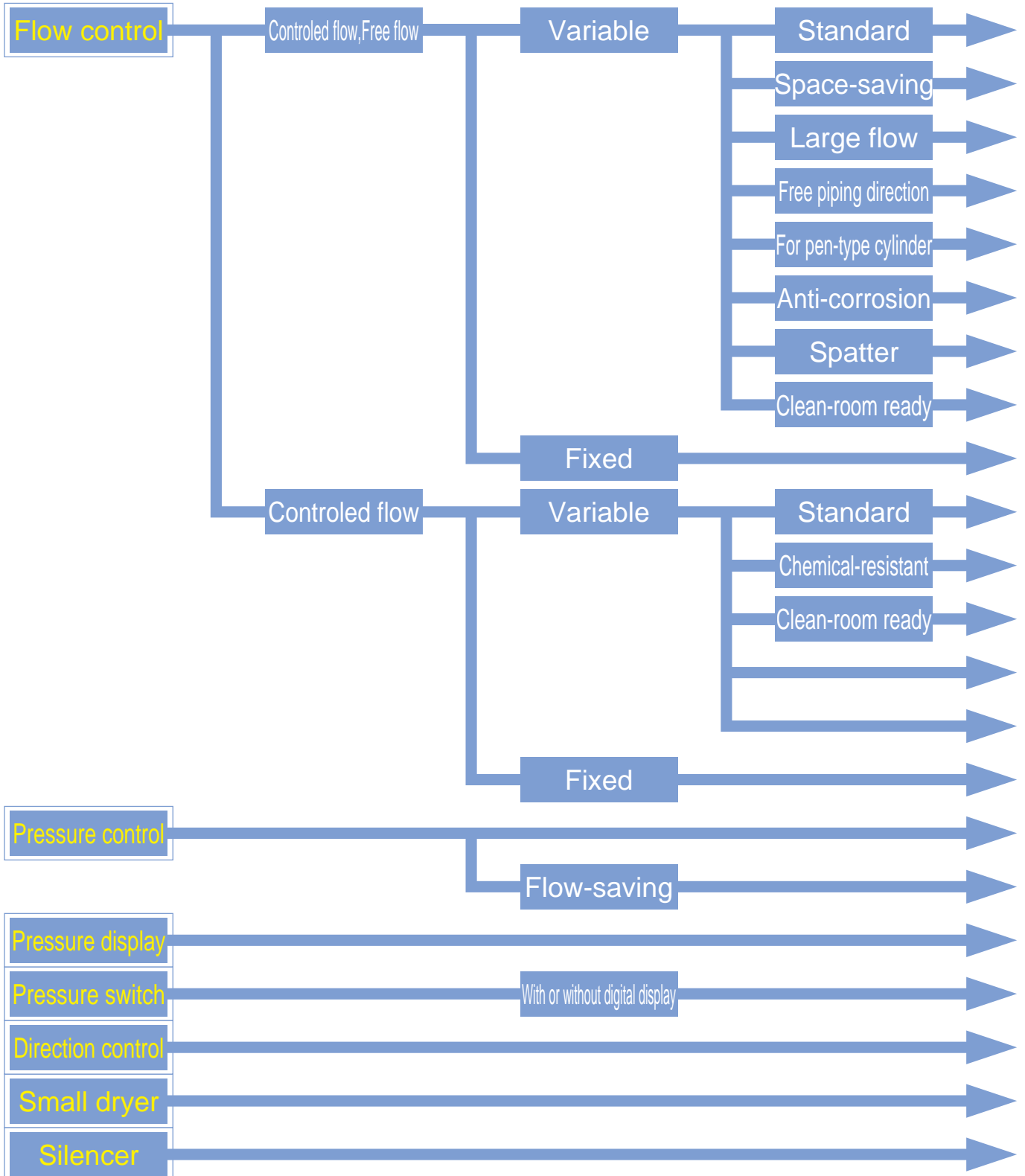


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# Control Series

Coming in a wide variety in tube and thread sizes, PISCO supplies control devices to all applications of pneumatic piping.

## Classified Index



Product Name	Fluid Admitted	Service pressure range	Service temperature range	Page
Speed Controller Standard Type	Air	0~150 psi (0~0.9MPa) check valve: 0~7.25 psi (0~0.05MPa)	32~140°F(0 ~ 60°C)	170
Speed Controller Mini-Type	Air	0~150 psi (0~0.9MPa) check valve: 0~7.25 psi (0~0.05MPa)	32~140°F(0 ~ 60°C)	176
Speed Controller Large Flow Type	Air	0~150 psi (0~0.9MPa) check valve: 0~7.25 psi (0~0.05MPa)	32~140°F(0 ~ 60°C)	180
Speed Controller Free Type	Air	0~150 psi (0~0.9MPa) check valve: 0~7.25 psi (0~0.05MPa)	32~140°F(0 ~ 60°C)	184
Speed Controller Universal Type	Air	0~150 psi (0~0.9MPa) check valve: 0~7.25 psi (0~0.05MPa)	32~140°F(0 ~ 60°C)	188
Speed Controller Corrosion-resistant SUS303 Equivalent	Air	0~150 psi (0~0.9MPa) check valve: 0~7.25 psi (0~0.05MPa)	32~140°F(0 ~ 60°C)	190
Speed Controller Spatter	Air	0~150 psi (0~0.9MPa) check valve: 0~7.25 psi (0~0.05MPa)	32~140°F(0 ~ 60°C)	194
Speed Controller Clean-room Ready	Air	0~150 psi (0~0.9MPa) check valve: 0~7.25 psi (0~0.05MPa)	32~140°F(0 ~ 60°C)	198
Constant Flow Speed Controller	Air	0~150 psi (0~0.9MPa) check valve: 0~7.25 psi (0~0.05MPa)	32~140°F(0 ~ 60°C)	202
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Throttle Valve SUS316 Type	Air	Gas : 0~150 psi (0~1MPa) Fluid : 0~45 psi (0~0.3MPa)	5~248°F(-15~120°C)	210
Throttle Valve Clean-room Ready	Air	0~150 psi (0 ~ 0.9MPa)	32~140°F(0 ~ 60°C)	214
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Regulator	Air	0~150 psi (0~0.9MPa) Setting pressure range:14.2~113.8psi(0.1~0.8MPa)	32~140°F(0 ~ 60°C)	226
Pressure Controller	Air	0~150 psi (0~0.9MPa) Setting pressure range:28.4~85.3 psi(0.2~0.6MPa)	32~140°F(0 ~ 60°C)	234
Pressure Gauge	Air	Display pressure range:0~113.8psi(0~0.8MPa)	32~140°F(0 ~ 60°C)	238
Digital pressure sensor, pressure sensor	Air	0~145psi(0~1.0MPa) Setting negative pressure range: Setting pressure range:0~1.0MPa 0.30in.Hg(0~0.1MPa)	32~122°F(0~50°C)	244-248
Check Valve	Air	0~150psi(0 ~ 0.9MPa) working vacuum Operation pressure:1.45psi(0.01MPa) -29.5in.Hg(-100KPa)	32~140°F(0 ~ 60°C)	252
Fiber Dry . Dry Unit	Air	43.5~150psi(0.3 ~ 0.9MPa)	Inlet air temperature 32~104°F(0~40°C)(No freezing)	256-264
Silencer	Air	0~150psi(0 ~ 0.9MPa)	32~140°F(0 ~ 60°C)	270

# Common Safety Instructions for Controllers

Be sure to read the following instructions before selecting and using the PISCO devices. Also read the detailed instructions for individual series.

## Warning

1. Each device has its control direction, so check it in manual and the mark on the device before use. Mistaking the control direction may cause injuries on the operator or damage to the equipment.
2. Do not give tension, twist or bending to the controllers. Also, do not drop or give excessive shocks to them. Such careless handling can inflict damage to them.
3. When the controller has a lock nut on it, tighten it by hand without using a tool. Tightening with a tool may damage the lock nut or the controller body. Also, incomplete tightening may lead to a loose lock nut which in turn may render the initial setting useless.
4. Use clean air as the pressure source. Dust or sludge may upset the control setting.

## Caution

1. For fittings, please refer to Common Safety Instructions for Quick-fitting Joint.
2. Notes on installation
  - (1) Tighten with a proper tool, using hexagonal or knurled part.
  - (2) In tightening the screw, use the tightening torque recommended in the following table. Use of a torque higher than the recommended level may damage thread or deform gasket, thus causing leaks. Use of a torque lower than the recommended level may cause loose screw and leakage.

### ● Table Recommended Tightening Torque

(Hexagonal part)

thread type	Thread size	Tightening torque
Metric thread	M3×0.5	0.7N·m
	M5×0.8	1~1.5N·m
	M6×1	1.8~2.3N·m
Taper pipe thread	R1/8	7~9N·m
	R1/4	12~14N·m
	R3/8	22~24N·m
	R1/2	28~30N·m
Unified thread	No.10-32 UNF	1.5~1.9N·m
Pipe thread general purpose (INCH)	1/16-28 NPT	7~9N·m
	1/8-27 NPT	7~9N·m
	1/4-18 NPT	12~14N·m
	3/8-18 NPT	22~24N·m
	1/2-14 NPT	28~30N·m
Parallel pipe thread	G3/8	1/2~1 turn after hand-tightening
	G1/2	

(Knurled part)

Thread type	Thread size	Tightening torque
Metric thread	M5×0.8	1/6 turn after hand-tightening
	M6×1	
	M10×1	
Parallel pipe thread	G1/8	1/2~1 turn after hand-tightening
	G1/4	

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## 2.Note on removal

- (1)Loosen it with a proper tool, using the hexagonal or knurled part.
- (2)Remove sealant sticking to the thread on the mated equipment. The sealant left sticking may enter the peripheral equipment and cause trouble.