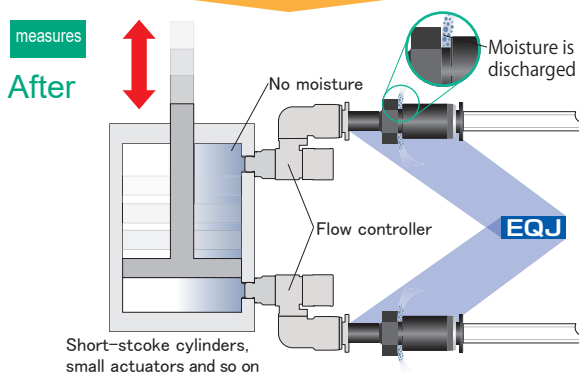
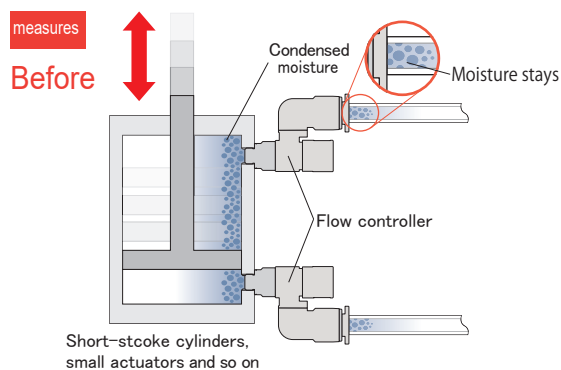


Quick Exhaust valve Plug type EQJ



✓ Condensation control > Discharge humid air caused by adiabatic expansion to outside



Mechanism of condensation from adiabatic expansion

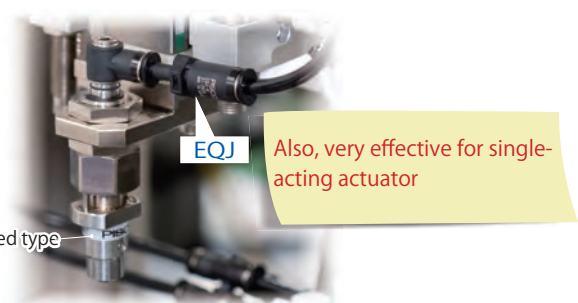
- ① Internal temperature drops as the compressed air is exhausted rapidly (adiabatic expansion).
- ② Water vapor in the air turns into droplets as the temperature drops.
- ③ In case of short-stroke cylinders, the humid air will not be fully discharged depending on the length of piping.
- ④ Remaining humid air accumulates and builds up water drops around the actuator.

EQJ installation for Condensation countermeasures

- ① Field-retrofitable to flow controllers on actuators because of plug shape
- ② Moisture in actuator is discharged with the exhaust air near the ports to atmosphere.
- ③ Long cycle life is realized by maintaining the integrity of piston chambers.

✓ Extends Service-life of actuator

Getting rid of moisture prevents grease scattering inside actuator and deterioration of the piston seals, which enables longer service life of the actuator.



Gripper normally closed type

Feature

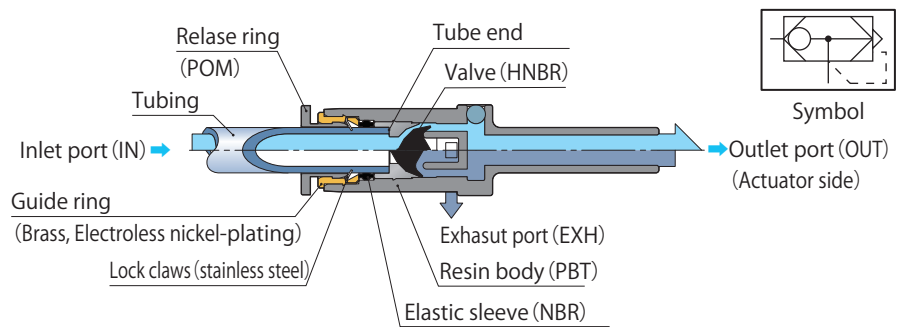
✓ Enables **high-speed drive** due to rapid air discharge near the actuator.
For speed controls of short-stroke cylinders and small actuators.

✓ Plug shape for **easy retrofitting**
Can be added to the existing system by just pushing into the port of flow controller.

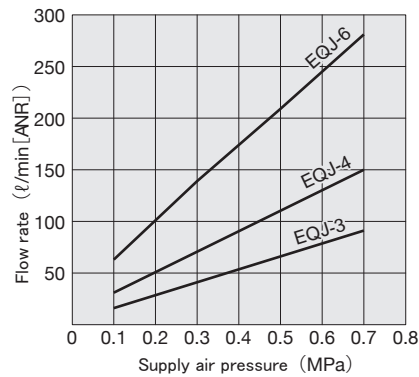
Specification

Fluid medium	Air
Operating pressure	0.1 ~ 0.7MPa
Operating temp.	5 ~ 60°C (No freezing)
Cracking pressure	0.05MPa

Structure



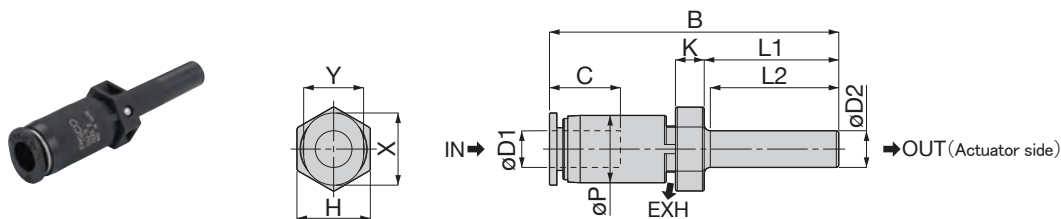
Flow characteristics



Dimensions

EQJ Plug type Atmospheric release

RoHS2 Compliant



Unit : mm

Model	Tubing O.D. øD1	Plug O.D. øD2	B	L1	L2	øP	Tube End C	Hex. H	K	Release ring		Weight (g)	Price (¥)
										X	Y		
EQJ-3	3	3	41	19	11.5	9	11	10	4.1	9.8	7.8	2.4	1,030
EQJ-4	4	4	41	19	18.2	9	11	10	4.7	9.8	7.8	2.3	1,030
EQJ-6	6	6	47.3	22	21	11	11.6	12	4.1	11.8	9.8	3.9	1,090