



2F859



2CDP9

ARO® Cylinder Port Flow Control Valves

- Max. operating pressure: 150 psi

Screwdriver Adjustment—Right-angle flow control valves mount directly into cylinder port. Rugged, all-metal design. Dry thread sealant on male threads. Full 360° rotation for tubing alignment.

Thumb Screw Adjustment—Can be plumbed with threaded fitting; use push-to-connect tubing for fast installation.

Outlet Port	Inlet Port	Cv	Mr. Model	Item No.
Screwdriver Adjustment				
1/8" NPT	1/4" Push to Connect	0.3	119307-125	2F849
1/8" NPT	1/4" Push to Connect	0.3	119309-125	2F859
1/4" NPT	1/4" Push to Connect	0.7	119307-250	2F851
1/4" NPT	1/4" Push to Connect	0.7	119309-250	2F861
3/8" NPT	3/8" Push to Connect	1.9	119307-375	2F853
3/8" NPT	3/8" Push to Connect	1.9	119309-375	2F863
1/2" NPT	1/2" Push to Connect	2.8	119307-500	2F855
1/2" NPT	1/2" Push to Connect	2.8	119309-500	2F865
10-32 UNF	10-32 UNF	0.1	119307-103	2F847
10-32 UNF	10-32 UNF	0.1	119309-103	2F857
Thumb Screw Adjustment				
1/8" NPT	1/8" NPT	0.3	119308-125	2CDP5
1/8" NPT	1/8" NPT	0.3	119310-125	2CDP9
1/4" NPT	1/4" NPT	0.7	119308-250	2CDP6
1/4" NPT	1/4" NPT	0.7	119310-250	2CDP1
3/8" NPT	3/8" NPT	1.9	119310-375	2CDR2
3/8" NPT	3/8" NPT	1.9	119308-375	2CDP7
1/2" NPT	1/2" NPT	2.8	119310-500	2CDP8



Speed, Flow, and In-Line Control Valves with Adjustable 1-Touch Fittings

- Pressure range: 15 to 145 psi
- Temp. range: 23° to 140°F
- Polybutylene body

Preapplied sealant and top-mounted hex nut/adjustment screw allows fast assembly and easy adjustment with a flat screwdriver. Use with nylon, soft nylon, and polyurethane tubing. Stainless steel models have a stainless steel stem, and can be used in washdown and clean-room applications. In-line valves include a hexagonal lock nut and retainer that prevents accidental needle loss. Elbows feature metered, 1-direction flow control.



Tube Size	Body Size	Nickel-Plated Brass Item No.
In-Line Speed Control Valves, Tube		
1/4"	1/8"	4DGV2
1/4"	1/4"	4DGV3
1/4"	3/8"	4DGV5
3/16"	1/4"	4DGV4
3/16"	3/8"	4DGV6
3/8"	3/8"	4DGV7
3/8"	1/2"	4DGV8
1/2"	1/2"	4DGV9
4mm	1/8"	4DGV1
6mm	1/8"	4DGV2
6mm	1/4"	4DGV3
6mm	3/8"	4DGV5
8mm	1/4"	4DGV4
8mm	3/8"	4DGV6
10mm	3/8"	4DGV7
10mm	1/2"	4DGV9
12mm	3/8"	4DGV8
12mm	—	4DGV1



Tube Size	Pipe Size	Screw Adjustment, Tamper-Proof, Nickel-Plated Brass, Flow In Item No.	Screw Adjustment, Tamper-Proof, Nickel-Plated Brass, Flow Out Item No.
Flow Control Valves, Tube x NPT			
1/8"	1/8"	5RTP5	5RTJ7
1/8"	10-32 UNF	5RTP1	5RTJ3
3/32"	1/8"	5RTP6	5RTJ8
3/32"	1/4"	5RTR0	5RTK2
3/32"	10-32 UNF	5RTP2	5RTJ4
3/16"	1/8"	5RTP7	5RTJ9
3/16"	1/4"	5RTR1	5RTK3
3/16"	10-32 UNF	5RTP3	5RTJ5
3/16"	1/8"	5RTP8	5RTK0
1/4"	1/4"	5RTR2	5RTK4
1/4"	3/8"	5RTR5	5RTK7
1/4"	10-32 UNF	5RTP4	5RTJ6
5/16"	1/8"	5RTP9	5RTK1
5/16"	1/4"	5RTR3	5RTK5
5/16"	3/8"	5RTR6	5RTK8
3/8"	1/4"	5RTR4	5RTK6
3/8"	1/2"	5RTR8	5RTL0
3/8"	3/8"	5RTR7	5RTK9
1/2"	1/2"	5RTR9	5RTL1
Flow Control Valves, Tube x R(PT)			
3.2mm	1/8"	5RTT3	5RTL5
3.2mm	M5 x 0.8	5RTT0	5RTL2
4mm	1/8"	5RTT4	5RTL6
4mm	1/4"	5RTT8	5RTN0
4mm	M5 x 0.8	5RTT1	5RTL3
6mm	1/8"	5RTT5	5RTL7
6mm	1/4"	5RTT9	5RTN1
6mm	3/8"	5RTU3	5RTN5
6mm	M5 x 0.8	5RTT2	5RTL4
8mm	1/8"	5RTT6	5RTL8
8mm	1/4"	5RTU0	5RTN2
8mm	3/8"	5RTU4	5RTN6
10mm	1/8"	5RTT7	5RTL9
10mm	1/4"	5RTU1	5RTN3
10mm	3/8"	5RTU5	5RTN7
10mm	1/2"	5RTU7	5RTN9
12mm	1/4"	5RTU2	5RTN4
12mm	3/8"	5RTU6	5RTN8
12mm	1/2"	5RTU8	5RTN0



Tube Size	Pipe Size	Body Size	Nickel-Plated Brass, Elbows, Flow In Item No.	Nickel-Plated Brass, Elbows, Flow Out Item No.	Stainless Steel, Elbows, Flow In Item No.	Stainless Steel, Elbows, Flow Out Item No.
Speed Control Valves, Tube x NPT						
1/8"	1/8"	1/8"	48J181	48J209	4DGV7	4DGV2
1/8"	1/8"	1/8"	48J182	48J210	4DGV8	4DGV3
5/32"	1/8"	1/8"	48J185	48J213	—	4DHC4
3/16"	1/8"	1/8"	4DGV4	4DGV4	—	4DGV4
1/4"	1/4"	1/4"	4DGV8	4DGV8	4DGV1	4DGV5
1/4"	1/4"	1/4"	48J183	48J211	4DHD6	4DHC9
1/4"	1/4"	1/4"	4DGV3	4DGV3	4DGV5	4DHC6
1/4"	1/4"	1/4"	48J186	48J214	4DGV8	4DHC5
1/4"	1/4"	1/4"	48J189	48J219	4DGV2	4DGV6
1/4"	1/4"	1/4"	48J184	48J212	4DHD7	—
5/16"	1/4"	1/4"	4DGV4	4DGV4	—	—
5/16"	1/4"	1/4"	48J187	48J215	4DGV9	4DHC7
5/16"	1/4"	1/4"	48J190	48J217	—	4DHC3
5/16"	1/4"	1/4"	4DGV5	4DGV5	—	—
3/8"	1/4"	1/4"	48J188	48J216	4DGV7	4DHC8
3/8"	1/4"	1/4"	48J191	48J218	4DGV1	4DHC4
1/2"	1/2"	1/2"	48J192	48J220	4DGV2	4DHC9
1/2"	1/2"	1/2"	48J193	48J221	4DGV3	4DHC1
Speed Control Valves, Tube x R(PT)						
4mm	1/8"	1/8"	48J194	48J222	—	—
4mm	1/4"	1/4"	48J198	48J226	—	—
6mm	1/8"	1/8"	48J195	48J223	4DGV5	4DHC3
6mm	1/4"	1/4"	4DGV1	4DGV1	4DHA3	4DHF1
6mm	1/4"	1/4"	48J199	—	—	—
6mm	3/8"	3/8"	48J203	—	—	4DHF5
8mm	1/8"	1/8"	48J196	48J224	—	—
8mm	1/4"	1/4"	4DGV2	—	—	4DHF2
8mm	3/8"	3/8"	48J201	48J228	—	—
8mm	1/2"	1/2"	48J204	48J231	—	4DHF6
10mm	1/8"	1/8"	48J197	48J225	—	—
10mm	1/4"	1/4"	4DGV3	4DGV3	—	4DHF3
10mm	1/4"	1/4"	48J202	48J229	4DHA2	—
10mm	3/8"	3/8"	48J205	48J232	—	4DHF7
12mm	1/2"	1/2"	48J207	48J234	—	4DHF9
12mm	1/4"	1/4"	4DGV4	4DGV4	—	4DHF4
12mm	3/8"	3/8"	48J206	48J233	—	4DHF8
12mm	1/2"	1/2"	48J208	48J235	—	4DHF1



5RTU9

5RTV1



Speed Exhaust Control Valves with 1-Touch Fittings

- Pressure range: 15 to 145 psi
- Temp. range: 23° to 140°F

Integrated quick exhaust valve and exhaust restrictor allow for high-speed cylinder operation. Design helps to remove moisture build-up at the actuator port. Nickel-plated brass construction.

Tube Size	Pipe Size	Item No.	Tube Size	Pipe Size	Item No.
5/32"	10-32 UNF	5RTU9	4mm	M3 x 0.5	5UPE4
1/4"	10-32 UNF	5RTV0	4mm	M5 x 0.8	5UPE5
1/4"	1/8"	5RTV1	6mm	M5 x 0.8	5UPE6
5/16"	1/4"	5RTV3	6mm	1/4"	5UPE7
5/16"	1/8"	5RTV2	6mm	1/4"	5UPE9
5/16"	1/4"	5UPD5	8mm	1/8"	5UPE8
5/16"	3/8"	5UPD8	8mm	1/4"	5UPF0
3/8"	1/8"	5UPD6	8mm	3/8"	5UPF3
3/8"	1/4"	5UPD7	10mm	1/8"	5UPF1
3/8"	3/8"	5UPD9	10mm	1/4"	5UPF2
3/8"	1/2"	5UPD2	10mm	3/8"	5UPF4
1/2"	1/4"	5UPE0	10mm	1/2"	5UPF7
1/2"	3/8"	5UPE1	12mm	1/4"	5UPF5
1/2"	1/2"	5UPE3	12mm	3/8"	5UPF6
			12mm	1/2"	5UPF8