

AV Automatic Valve

A ROSS CONTROLS Company



Accessories

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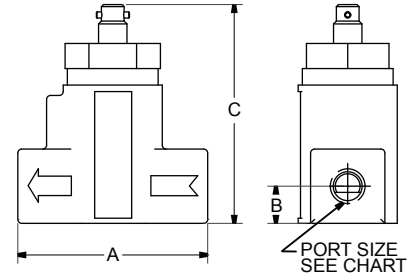


Accessories

In-Line Mounted

Flow Control Valves

- Allows free flow of air in one direction and adjustable flow in the opposite direction.
- Piped between valve and cylinder.
- High flow, accurate adjustment. Tamper proof locking screw standard.
- Self-cleansing poppet eliminates sediment accumulation.



Model Numbers

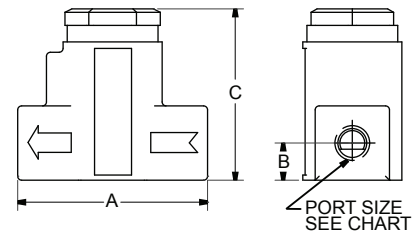
Series	Model Number	Port Size	Flow l/min (Cv)	Weight Kg (lb)
MS2	200A-2	1/4	1614 (1.6)	0,23 (0.50)
	200A-3	3/8	1830(1.9)	
MS3	200A-35	1/2	2460 (2.5)	0,56 (1.25)
	200C-7	3/4	4820 (4.9)	
MS7	200C-71	1	4920 (5.0)	1,00 (2.2)
	200A-10	1	16730 (17)	
MS8	200A-12	1 1/4	21648 (22)	1,00 (2.2)
	200A-15	1 1/2	21648 (22)	

Dimensional Information

Dimensions mm (inches)		
A	B	C
73,2 (2.88)	14,2 (0.56)	85,6 (3.37)
73,2 (2.88)	14,2 (0.56)	85,6 (3.37)
102 (4.0)	44,5 (1.75)	134,9 (5.31)
127 (5.0)	-	177,8 (7.0)
137 (5.4)	57 (2.3)	180,3 (7.1)

Check Valves

- Allows low cracking pressure and full area free flow of air in one direction and instantaneous shut-off in the reverse direction.
- Self-cleansing poppet eliminates sediment accumulation.



Model Numbers

Series	Model Number	Port Size	Flow l/min (Cv)	Weight Kg (lb)	Cracking Pressure BAR (PSIG)
MC3	203A-2	1/4	1574 (1.6)	0,23 (0.50)	0,02 (0.50)
	203A-3	3/8	1771 (1.8)		
	203A-35	1/2	1968 (2.0)		
MC7	203A-7	3/4	1920 (5.0)	0,56 (1.25)	0,46 (6.75)
	203A-71	1	5900 (6.0)		
MC8	203A-10	1	14760 (15.0)	0,91 (2.0)	0,21 (3.0)
	203A-12	1 1/4	17910 (18.2)		
	203A-15	1 1/2	18700 (19.0)		

Dimensional Information

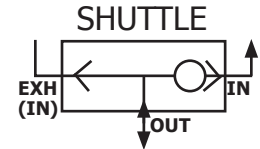
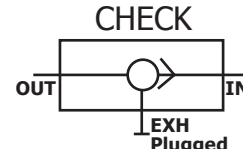
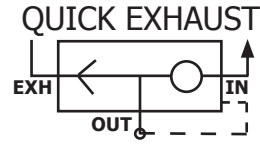
Dimensions mm (inches)		
A	B	C
73,2 (2.88)	14,2 (0.56)	65,8 (2.59)
101,6 (4.0)	44,5 (1.75)	95,2 (3.75)
135,9 (5.35)	-	108,5 (4.27)

Accessories

Quick Exhaust, Check & Shuttle

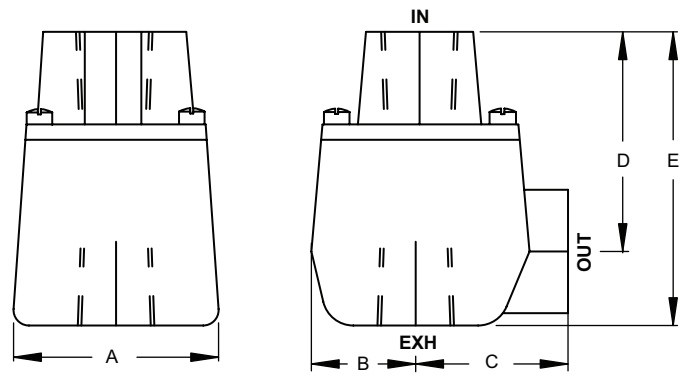


One model does all three functions



Features

- Rugged internal construction outlasts and out performs the competition.
- Quick Exhaust: When **IN** is pressurized, flow is from **IN** to **OUT** with **EXH** blocked. When **OUT** is pressurized, flow is from **OUT** to **EXH** with **IN** blocked
- Check Valve: Free flow from **IN** to **OUT** with **EXH** plugged. No flow from **OUT** to **IN** with **EXH** plugged.
- Shuttle Valve: When **IN** is pressurized, flow is from **IN** to **OUT** with **EXH** blocked. When **EXH** is pressurized, flow is from **EXH** to **OUT** with **IN** blocked.



Model Numbers

Series	Model Number	Port Size NPTF		Flow l/min (Cv)	Pressure BAR (PSIG)		Weight Kg (lb)
		IN, OUT	EXH		Min	Max	
MQ2	370A-21	1/8	1/4	790 (0.72)	0,3 (4)	10.7 (150)	.08 (.17)
	370A-22	1/4	1/4	890 (0.97)			.07 (.16)
MQ3	370A-32	1/4	3/8	1870 (1.44)	0,2 (3)	10.7 (150)	.15 (.31)
	370A-33	3/8	3/8	2160 (1.48)	0,1 (2)		.29 (.63)
MQ7	370A-75	1/2	3/4	2560 (2.9)	0,1 (1)	10.7 (150)	.45 (.99)
	370A-77	3/4	3/4	2850 (4.1)			.41 (.90)

Dimensional Information

Dimensions mm (inches)				
A	B	C	D	E
27,7 1.09	13,9 0.55	20,5 0.81	30,9 1.22	42,4 1.67
38,1 1.5	21,1 0.83	31,8 1.25	45,2 1.78	60,4 2.38
55,4 2.18	28,9 1.14	45,9 1.81	70,6 2.78	92,9 3.66





Accessories Lockout Valves



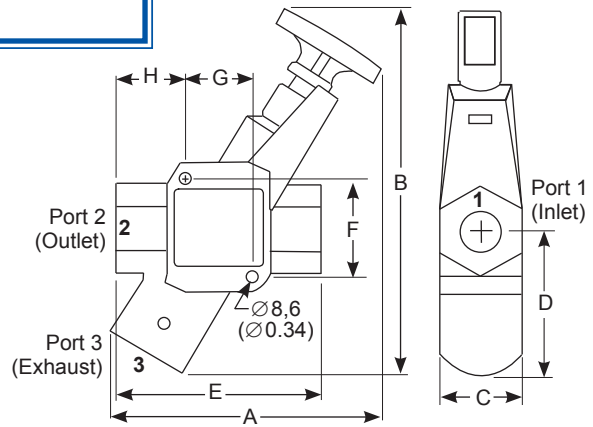
N1606HALM

Soft Start Option

- To order a Lockout Valve with Soft Start, add -SS to the end of the model number.

Features

- 3 way, 2 position valve.
- Short stroke for quick response.
- Padlockable in the closed position.
- Bright red handle for visibility.
- When handle is pulled outward, Inlet Port 1 is connected to Outlet Port 2 and Exhaust Port 3 is blocked.
- When handle is pushed inward, Inlet Port 1 is blocked and Outlet Port 2 is connected to Exhaust Port 3.
- These products are defined as energy isolation devices, NOT AN EMERGENCY STOP DEVICE.



Model Numbers

Series	3/2 NO 	Port Size		Flow l/min (Cv)	Material		Wt. Kg (lb)		
		1,2	3		Body	Seal			
N06	N0604HALM	3/8	3/4	4630 (4.7)	Aluminum	NBR	0,7 (1.5)		
	N0605HALM	1/2		6994 (7.1)					
	N0606HALM	3/4		8170 (8.3)					
N16	N1606HALM	3/4	1 1/4	12904 (13.1)			Aluminum	NBR	1,5 (3.3)
	N1607HALM	1		16351 (16.6)					
	N1608HALM	1 1/4		19011 (19.3)					

Dimensional Info


Dimensions mm (in)							
A	B	C	D	E	F	G	H
163 (6.4)	224 (8.8)	51 (2.0)	76.2 (3.0)	111 (4.4)	57,2 (2.3)	31,8 (1.3)	41,4 (1.6)
196 (7.7)	274 (10.8)	58 (2.3)	95,3 (3.8)	140 (5.5)	69,9 (2.8)	44,4 (1.8)	47,8 (1.9)


* To add Soft Start feature, add -EZ to end of Part Number


Accessories Mufflers



Model Numbers & Dimensional Information

Exhaust Mufflers							
Series	Description	Part Number	Pipe Size NPT	Flow l/min (Cv)	Length mm(in)	Hex Size mm (in)	Wt kg (lb)
84C  <ul style="list-style-type: none"> Reduces exhaust noise level in air systems. Maintains full volume air flow with minimum back pressure. Threads into exhaust port. 	84C-1	1/8	1160 (1.3)	34,9 (1.38)	11,1 (7/16)	0,05 (0.10)	
	84C-2	1/4	2060 (2.3)	44,5 (1.75)	14,3 (9/16)	0,05 (0.10)	
	84C-3	3/8	4380 (4.9)	57,3 (2.25)	17,5 (11/16)	0,09 (0.20)	
	84C-5	1/2	6080 (6.8)	69,0 (2.72)	22,2 (7/8)	0,11 (0.25)	
	84C-7	3/4	15520 (14.0)	80,3 (3.16)	27,0 (11/16)	0,19 (0.41)	
	84C-10	1	16090 (18.0)	98,4 (3.88)	33,3 (1 5/16)	0,39 (0.88)	
	84C-12	1 1/4	21100 (23.6)	114 (4.50)	42,9 (1 11/16)	0,59 (1.31)	
	84C-15	1 1/2	34870 (39.0)	127 (5.0)	50,8 (2.0)	0,77 (1.68)	

Sintered Exhaust Mufflers							
Series	Description	Part Number	Pipe Size NPT	Flow l/min (Cv)	Length mm(in)	Hex Size mm (in)	Wt kg (lb)
84D  <ul style="list-style-type: none"> Reduces exhaust noise level in air systems. Sintered bronze bonded to a copper plated male pipe fitting. Corrosion resistant. Cleanable 40 micron filter element. 	A7007-010	10-32	150 (0.2)	8,6 (0.34)	6,3 (1/4)	-	
	84D-1	1/8	310 (0.4)	28,6 (1.12)	11,1 (7/16)	0,01 (0.01)	
	84D-2	1/4	600 (0.7)	34,9 (1.37)	14,3 (9/16)	0,02 (0.04)	
	84D-3	3/8	660 (0.8)	38,1 (1.50)	17,5 (11/16)	0,03 (0.06)	
	84D-5	1/2	1600 (1.9)	47,6 (1.88)	22,2 (7/8)	0,05 (0.10)	
	84D-7	3/4	3170 (3.7)	57,2 (2.25)	27,0 (1 1/16)	0,07 (0.16)	
	84D-10	1	4360 (4.9)	73,0 (2.88)	33,3 (1 5/16)	0,13 (0.28)	

Exhaust Restrictor/Sintered Mufflers							
Series	Description	Part Number	Pipe Size NPT	Flow l/min (Cv)	Length mm(in)	Hex Size mm (in)	Wt kg (lb)
266B  <ul style="list-style-type: none"> Reduces exhaust noise level in air systems. Allows adjustment of exhaust air flow to accurately control cylinder speeds. Corrosion resistant. Cleanable 40 micron filter element. 	266B-1	1/8	1070 (1.2)	38,1 (1.50)	12,7 (0.50)	0,01 (0.03)	
	266B-2	1/4	1160 (1.3)	42,7 (1.68)	14,3 (9/16)	0,02 (0.05)	
	266B-3	3/8	1790 (2.0)	42,7 (1.68)	17,5 (11/16)	0,04 (0.09)	
	266B-5	1/2	3310 (3.7)	50,8 (2.00)	22,2 (7/8)	0,07 (0.16)	
	266B-7	3/4	5270 (5.9)	69,9 (2.75)	27,0 (1 1/16)	0,12 (0.27)	
	266B-10	1	6080 (6.8)	76,2 (3.00)	33,3 (1 5/16)	0,22 (0.48)	





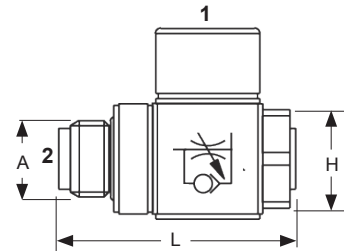
Accessories Pneumatic

Features

- Media: Compressed air or inert gas, lubricated or non-lubricated.
- Seals: NBR
- Springs and Bodies: Stainless Steel.
- Internals: Brass and zinc plated brass.
- Plastic Parts: PA.
- Pressure Range: 100 kPa - 1035 kPa (15 psi - 150 psi), (1 BAR - 10 BAR).
Note: Soft Start = 310 kPa - 1035 kPa (45 psi - 150 psi), (3 BAR - 10 BAR).
- Temperature Range: -7°C to 65°C (20°F - 150°F)

Right Angle Flow (RAF) Control

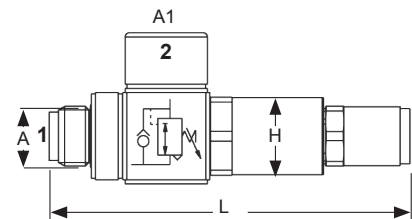
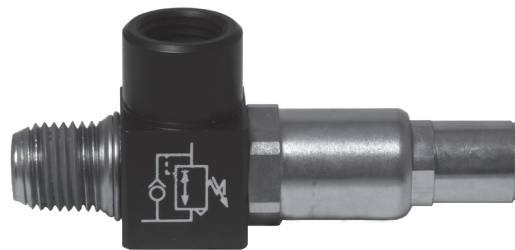
- Eliminates at least one fitting.
- Efficient control of air at source.
- Locks in place once cylinder speed is set.
- Flow from Port 2 to Port 1
- Metered-In or Metered-Out



Model Number	SCFM	Port Size	Dimensions mm (inches)		
			A	H	L
A7209-100	12.02	1/4 NPT	1/4	41 (1.62)	19 (0.75)
A7209-101	34.52	3/8 NPT	3/8	47 (1.85)	23 (0.91)
A7209-102	12.02	1/4 BSPP	1/4	41 (1.62)	19 (.75)
A7209-103	34.52	3/8 O.D. Tube Fitting	3/8	47 (1.85)	23 (0.91)

Port Mounted Regulator (PMR)

- Return flow equals regulated flow, self-relieving.
- Incorporates by-pass check.
- Proven payback with point of use air reductions.
- Operating Pressure Primary: 1-16 BAR (15-235 PSIG)
- Flow from Port 1 to Port 2



Model Number	Port Size		Dimensions mm (inches)	
	A	A1	H	L
A7209-110	1/4 NPT	1/4 NPT	17 (0.69)	81 (3.18)
A7209-111	3/8 NPT	3/8 NPT	22 (0.86)	88 (3.46)
A7209-112	1/4 BSPP	1/4 BSPP	17 (0.69)	81 (3.18)
A7209-113	3/8 O.D. Tube Fitting	3/8 NPT	22 (0.86)	88 (3.46)

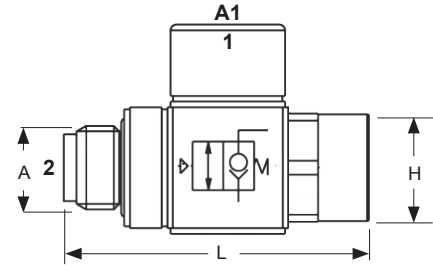
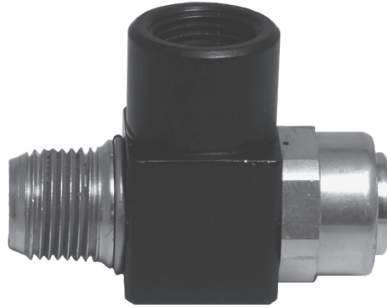
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Accessories Pneumatic



Pilot Operated Check (POC) Valve

- Stops flow on loss of air.
- Eliminates at least one fitting.
- 1/8 Available By Special Order
- Operating Pressure: 1-10 BAR (15 - 150 PSIG)



Model Number	SCFM		Port Sizes		Dimensions mm (in)	
	Port 1 to 2 at 90 psi	Port 2 to 1 at 0 psi	A	A1	H	L
A7209-120	21.78	23.89	1/4 NPT	1/4 NPT	17 (0.69)	48 (1.87)
A7209-121	41.25	40.81	3/8 NPT	3/8 NPT	22 (0.86)	55 (2.16)
A7209-122	21.78	23.89	1/4 BSPP	1/4 BSPP	17 (0.69)	48 (1.87)
A7209-123	41.25	40.81	3/8 O.D. Tube Fitting	3/8 NPT	22 (0.86)	55 (2.16)

