## ALPHA<sup>®</sup> ARO

#### **Compact Body-Ported Solenoid** and Pilot Valves

- Operating pressure range: 50 to 150 psi on 2-position valves; 60 to 150 psi on 3-position valves
- Temp. range: 0° to 180°F
- Up to 600 cycles per minute
- Vacuum rated to 29 in./Hg (requires kit 4HN96, sold separately on page 2431) Uses 22mm coils

Body-ported Alpha valves are compact 5-ported valves. Can operate without air line lubrication. For use with air or inert das.

Note: When operating below 50 psi, Low Pressure Kit 4HN96, sold on page 2431, must be used.

Note: 1 NFMA 4 connector required for each coil Coil connectors and replacement coils are sold separately on page 2431.

#### ARO 2-Hand Anti-Tie-4**HN**74 **Down Controls**

Operating pressure: 50 to 125 psi

Note: These units provide only anti-tie-down logic function and not stroke-limiting devices. On machines with full revolution clutches and/or where repeat cycles can occur, Assembled-Includes all approved safety and/or single-stroke devices must be used along with the anti-tie-down units.

Unassembled-Includes anti-tie-down control block, two 21/4"-dia. push-button valves, 10 ft. of 5/32" tubing, and fittings. Order pilot valve 2F973, sold on page 2433.

			Mfr.	Item
Description	Inlet Port	Outlet Port	Model	No.
Unassembled Control Package	5⁄32" Tubing	5⁄32" Tubing	59003-842	4HN74
Assembled Control Package	5/32" Tubing	5/32" Tubing	59809	4HN76
Control Block Only	1/8" NPT	1/8" NPT	59191	4HN75

1A326

## ARO SPEEDAIRE

#### **Exhaust Port Flow Controls and Mufflers** ARO

- Operating pressure: 0 to 250 psi Operating temp. range: -65° to 300°F

Speedaire-Provide an infinite variation of

motoring airflow at an acceptable sound level. 40-micron sintered bronze sleeve with brass housing.

Max. operating pressure: 300 psi

Operating temp. range: 35° to 300°F

**SPEEDAIRE** 

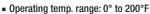
## **Pneumatic Exhaust** Mufflers

Max. operating pressure: 300 psi Operating temp. range: 35° to 300°F,

except 1EJX3 has 160°F max, temp, 40-micron porous sintered bronze element.

Actuator/Return	Pilot Pressure	Voltage	CFM	Cv	Mfr. Model	ltem No.	
4-Way, 2-Position							
	20 psi	_	30	0.9	A211PD	2F955	
Pilot/Pilot	20 psi	_		1.5	A212PD	2F971	
	20 psi	—	61	1.7	A213PD	4KB32	
	50 psi	_	30	0.9	A211PS	2F957	
Pilot/Spring	50 psi	_	_	1.5	A212PS	2F973	
	50 psi	—	61	1.7	A213PS	4KB31	
	—	120V AC	30	0.9	A211SD-120-A	2F963	
	—	120V AC	50	1.5	A212SD-120-A	2F979	
	_	120V AC	61	1.7	A213SD-120-A	2G551	
Solenoid/Solenoid	_	24V DC	50	1.5	A212SD-024-D	4XT33	
	_	24V DC	61	1.7	A213SD-024-D	4XT35	
	_	No Coil	30	0.9	A211SD-000-N	2F959	
	_	No Coil	50	1.5	A212SD-000-N	2F975	
	_	120V AC	30	0.9	A211SS-120-A	2F969	
	_	120V AC		1.5	A212SS-120-A	2F985	-
	_	120V AC	61	1.7	A213SS-120-A	2G549	
	_	12V DC	30	0.9	A211SS-012-D	2F967	_
	_	12V DC	50	1.5	A212SS-012-D	2F983	-
Solenoid/Spring	_	24V DC	30	0.9	A211SS-024-D	4XT32	_
		24V DC		1.5	A212SS-024-D	4XT34	
		24V DC	61	1.7	A213SS-024-D	4XT36	-
		No Coil	30	0.9	A211SS-000-N	2F965	
		No Coil		1.5	A212SS-000-N	2F981	
4-Way, 3-Position (	Spring Cen		rts Blocke			21 30 1	-
,,,		120V AC	50	1.4	A312SD-120-A	2G451	
	_	12V DC	50	1.4	A312SD-012-D	2G449	_
Solenoid/Solenoid		24V DC	50	1.4	A312SD-024-D	4XT41	-
		No Coil	50	1.4	A312SD-000-N	2G447	-
4-Way, 3-Position (	Spring Cent			ed. Cvli	nder Ports Open in		_
,,		120V AC	50	1.4	A712SD-120-A	2G469	-
		12V DC	50	4.32	A712SD-012-D	2G467	-
Solenoid/Solenoid	_	24V DC	50	1.4	A712SD-024-D	4XT44	
		No Coil	50	1.65	A712SD-000-N	2G465	-





Thermoplastic

Glass-reinforced valves provide free flow in 1 direction. controlled flow in opposite direction. Color-coded micrometer and calibrated adjustment knob. Ring lock keeps adjustment from accidentally moving. Panelmount nut included.



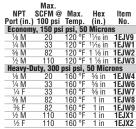


#### Silencer Muffle

Greatly reduce noise levels on prevent contamination.

Economy-50-mesh, stainles screen with glass-filled nylon

Heavy-Duty-50-mesh selfstainless steel screen with alu



### **Breather Vents**

**SPEEDAIRE** 

Max. operating pressure: 150 psi

 Operating temp. range: 35° to 300°F Low-profile vents insert easily into cylinders. gear boxes, and storage tanks. Prevent dirt and particles from entering open ports.



2F981



2F985

	5	to		
utlet Port mopla	Max. Operating Pressure (psi)	Mfr. Model	ltem No.	
	10110	104104 001 0	67007	

6**ZC**08

t	Port	Port	(psi)	Model	No.
ı		nermopla	istic		
	1/8" NPT		_	104104-F01-G	6ZCO
	1/4" NPT		200	104104-F02-G	6ZCO
		3%" NPT	200	104104-F03-G	
	1/2" NPT	1/2" NPT	200	104104-F04-G	6ZC1
1					

Inlet O

	Economy,	150 psi	psi,	50	Mi
rs	1/8 M	20	120	°F	11/1
	1/4 M	33	120	°F	11/1
valves and	3/8 M	82	120	°F	11
	1/2 M	110	120	°F	11
	Heavy-Dut				
aa ataal	1⁄8 M	20	160	°F	5/8
ss steel	1/4 M	33	160		5/8
housina.	1⁄4 F	33	160		5/8
nouoingi	3⁄8 M	82	160	°F	- 1
cleaning	3⁄8 F	82	160		1
0	1/2 M	110	160		1
ıminum shell.	1⁄2 F	110	160	°F	- 1
Contraction of the second s	Contraction of the local division of the loc	100			

1EJT5

NPT Item Port (in.) Hex (in.) 1EJTS 1F.ITC ½ in ¼ in 1⁄16 in 9∕16 in 3⁄8 <sup>11</sup>/<sub>16</sub> in 1EJT <sup>7</sup>/<sub>8</sub> in 1/16 in 3/8 in 1½ in 3⁄4 in 1EJT8 1E.IT 1 in

Sign in to Grainger.com<sup>®</sup> to see YOUR Pricing and MORE



internal connections ready

to install. 21/4"-dia. valves.

External supply and output to

machine made by 5/32" (4mm)

on any revolutionary press.

instant tube fittings. Do not use

F	ARO Flow Co		
	1/4 in NPT	20313-2	4ZJ85
	3/8 in NPT	20313-3	4ZJ86
_	1/2 in NPT	20313-4	4ZJ87
		Flow Control I	Aufflers
_	1/8 in NPT	1EJU2	1EJU2
_	1/4 in NPT	1EJU3	1EJU3
_	3/8 in NPT	1EJU4	1EJU4
_	1/2 in NPT	1EJU5	1EJU5
_	3/4 in NPT	1EJU6	1EJU6
_	1 in NPT	1EJU7	1EJU7



	1000	
Inlet Size	Hex Size	ltem No.
1⁄8 in	7⁄16 in	1A325
3⁄16 in	5⁄16 in	1EJX3
1⁄4 in	9⁄16 in	1A326
3⁄8 in	11/16 in	1A327
1/2 in	7∕8 in	1A328
3⁄4 in	1 1/16 in	6F600
1 in	1 3⁄8 in	6F601

# 1EJX1