

AIR OVER OIL RESERVOIRS

BASE MOUNT

Air over oil reservoirs provide precision hydraulic power from shop air. Exact cylinder movement is achieved without the high cost of conventional hydraulic power requiring pump, motor, filter, etc.

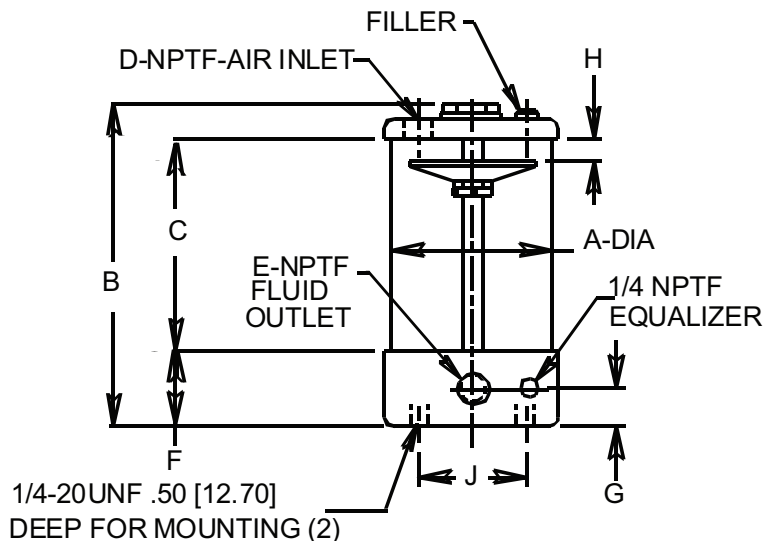
Basic circuits, when used with low pressure hydraulic check, flow control and directional valves, allow oil (driven at 1:1 ratio) to force piston rod at the same speed through both forward and return stroke. The speed control is adjustable to your work requirement.

Standard Materials:

- Aluminum base and cover
- Buna N seals
- Steel stem
- Break resistant, colorless, transparent polymer bowl
- Aluminum bowl and sight gage may be specified

Temperature and Pressure Ratings:

- Maximum working temperature
 - Polymer up to 140°F (60°C)
 - Aluminum up to 250°F (121.1°C)
- Maximum working pressure
 - Polymer up to 80 PSI (552 kPa)
 - Aluminum up to 125 PSI (861.9 kPa)



NOTE: All dimensions are inches [mm]



Air Over Oil Reservoir - Base Mount

Part Number		Capacity inches ³ (cm ³)		Dimensional Information inches (mm)								
Polymer	Aluminum w/gage	Polymer	Aluminum	A	B	C	D	E	F	G	H	J
A/OR1009-1	—	6.90 (113.10)	8.80 (144.20)	2.50 (63.50)	4.12 (104.60)	2.25 (57.20)	1/8	1/4	1.44 (36.60)	.81 (20.60)	.25 (6.40)	1.25 (31.80)
A/OR1018-2	A/OR11018-2	14.00 (229.40)	18.00 (295.00)	2.50 (63.50)	6.62 (168.10)	4.75 (120.60)	1/4	1/4	1.44 (36.60)	.81 (20.60)	.25 (6.40)	1.25 (31.80)
A/OR1024-2	—	20.00 (327.70)	26.00 (426.10)	2.50 (63.50)	8.62 (218.90)	6.75 (171.40)	1/4	1/4	1.44 (36.60)	.81 (20.60)	.25 (6.40)	1.25 (31.80)
A/OR1030-2	A/OR11030-2	26.00 (426.10)	33.00 (540.80)	2.50 (63.50)	10.62 (269.70)	8.75 (222.20)	1/4	1/4	1.44 (36.60)	.81 (20.60)	.25 (6.40)	1.25 (31.80)
A/OR1042-2	—	35.00 (573.40)	45.00 (737.40)	2.50 (63.50)	13.62 (345.90)	11.75 (298.40)	1/4	1/4	1.44 (36.60)	.81 (20.60)	.25 (6.40)	1.25 (31.80)
A/OR2053-3	A/OR12053-3	47.00 (770.20)	56.00 (917.70)	3.50 (88.90)	8.94 (227.10)	6.88 (174.8)	1/4	3/8	1.62 (41.10)	.94 (23.90)	.50 (12.70)	2.00 (50.80)
A/OR2075-3	—	67.00 (1098.00)	79.00 (1295.00)	3.50 (88.90)	11.81 (300.00)	9.75 (247.60)	1/4	3/8	1.62 (41.10)	.94 (23.90)	.50 (12.70)	2.00 (50.80)
A/OR2075-4	—							1/2				
A/OR2100-3	—	88.00 (1442.00)	104.00 (1704.00)	3.50 (88.90)	15.08 (383.00)	12.75 (323.80)	1/4	3/8	1.62 (41.10)	.94 (23.90)	.50 (12.70)	2.00 (50.80)
A/OR2150-3	—	130.00 (2130.00)	153.00 (2507.00)	3.50 (88.90)	20.81 (528.60)	18.75 (476.20)	1/4	3/8	1.62 (41.10)	.94 (23.90)	.50 (12.70)	2.00 (50.80)
A/OR2200-3	—	171.00 (2802.00)	201.00 (3294.00)	3.50 (88.90)	27.02 (686.30)	24.75 (628.60)	1/4	3/8	1.62 (41.10)	.94 (23.90)	.50 (12.70)	2.00 (50.80)

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Dimensions and specifications are subject to change without notice. Not all items are Made-To-Stock, contact us for availability.

02/14

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