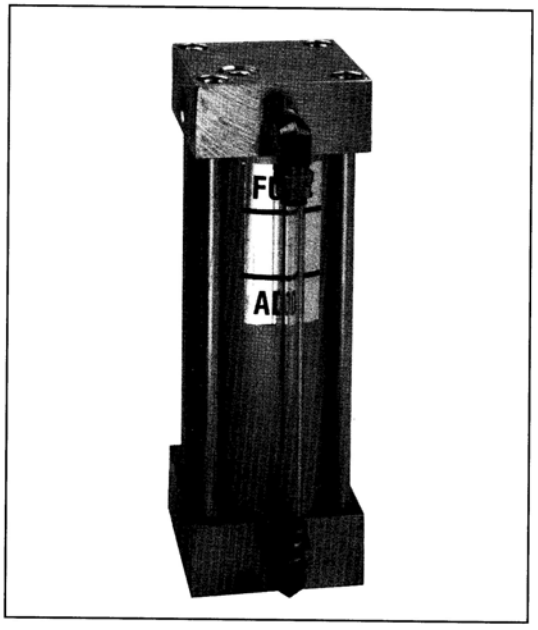
SERIES T



Air-Oil Tank
2 1/2" - 8" Bores
250 PSI Hydraulic
NFPA Porting

AAC

SERIES T AIR-OIL TANKS

Advance Automation Air-Oil Tanks offer a way of using workplace air pressure and converting it into hydraulic pressure. The hydraulic pressure is the same as the air pressure supplied.

Air-Oil Tanks are mainly used in slow speed applications where smooth piston rod travel is required.

Advance Automation Air-Oil Tanks use aluminum head, cap and tube. They feature baffles on the top and bottom, shatterproof sight gauge and flush-type fill and drain plugs. The operating pressure is 250 PSI maximum.

TANK SELECTION

1. Calculate work cylinder volume in cubic inches, Area x Stroke = Volume.

2. Select the proper tank bore and height from the usable oil capacity chart. Since there are usually several combinations, select the one having a capacity closest to but greater than your volume requirements.

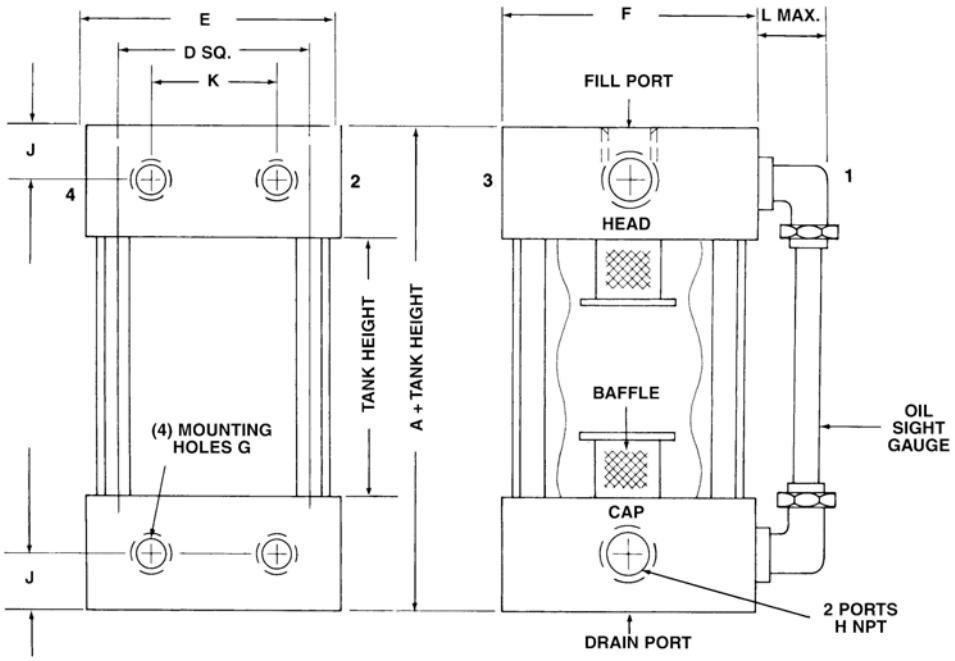
3. Base your selection on a combination of economics, space requirements and port size.

EXAMPLE

1. Work cylinder: B1600 X 10
   Area of 4½" bore = 15.9 square inches x 10" Stroke = 159 cubic inches Volume

2. Possible combinations:
   T960 x 20" Tank Height = 163 cubic inches
   T1600 x 13" Tank Height = 159 cubic inches
   T1960 x 12" Tank Height = 163 cubic inches
   T2800 x 10" Tank Height = 183 cubic inches
   T5000 x 7" Tank Height = 195 cubic inches

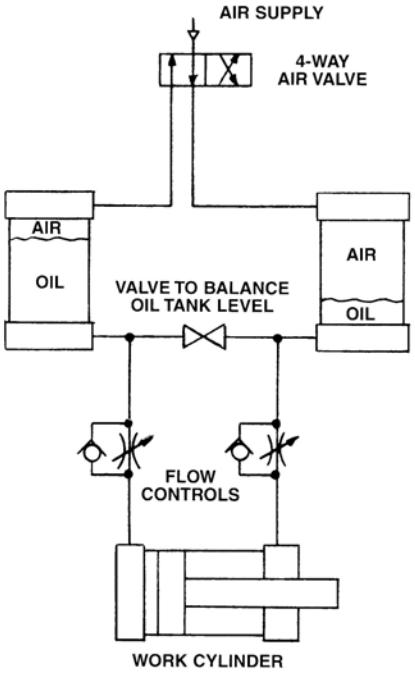
MODEL	TANK BORE IN INCHES	TANK HEIGHT WITH							
		4	5	6	7	8	9	10	
T490	2½	5	10	15	20	25	29	34	
T960	3½	10	19	29	38	48	58	67	
T1600	4½	16	32	48	64	80	95	111	
T1960	5	20	39	57	76	93	110	127	
T2800	6	28	55	82	110	135	158	183	
T5000	8	50	98	146	195	239	280	324	



MODEL	BORE	AIR-OIL TANK DIMENSIONS								
		A	D	E	F	G	H	J	K	L
T490	2½	2⅜	2.203	2⅞	2⅞	5/16 - 24 x 9/16	⅜	19/32	1¼	1⅛
T960	3½	3	3.219	4	4⅛	⅜ - 24 x 11/16	½	23/32	1 27/32	1⅛
T1600	4½	3	4.031	5	5⅛	½ - 20 x 11/16	½	23/32	2½	1⅛
T1960	5	3	4.100	5½	5½	½ - 20 x 11/16	½	¾	2 11/16	1⅛
T2800	6	3	4.875	6½	6½	½ - 20 x ⅝	¾	¾	3¼	1⅛
T5000	8	3	6.440	8½	8½	⅝ - 18 x ¾	¾	¾	4½	1⅛

USABLE OIL CAPACITY - CUBIC INCHES

11	12	13	14	15	16	17	18	19	20
39	44	49	54	59	64	69	74	78	83
77	86	96	106	115	125	134	144	154	163
127	143	159	175	191	207	239	254	270	302
143	163	181	198	215	232	250	268	304	337
206	234	260	284	309	334	359	386	411	437
365	414	461	504	547	592	637	684	729	774



DUAL TANK AIR-OIL SYSTEM

1. Flow controls are recommended to limit the fluid velocity.
2. Mount Air-Oil Tanks vertically at the highest point in the system. This allows self-bleeding of the tank.

ORDERING INSTRUCTIONS FOR SERIES T AIR-OIL TANKS

4 T960 X 10 – ____ – ____

Quantity 4

Model T960

Tank Height 10

Options ____
- Hard Coat (Head & Cap)
- 303SS Tie Rods & Nuts

Mounting Options ____
- Side Tapped Standard
- Flange Mount (From Series B & J)
- End Lug Mount (From Series B & J)

Sight Gauge at Position #1, Ports at Position #2 and Side Tapped at Position #3 are standard in all Air-Oil Tanks.