SERIES "A" OIL TANKS 250 PSI MAX

PROVIDES SMOOTHER OPERATION ON CRITICAL FEED APPLICATIONS

Distributed By:
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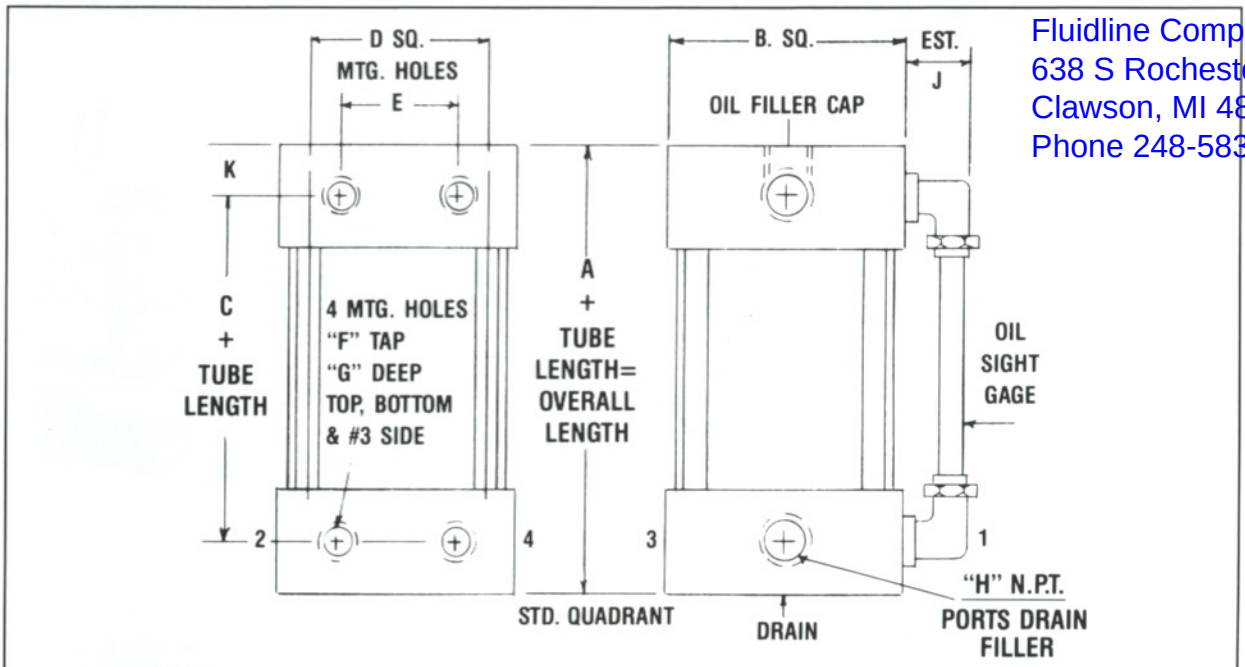

Features:

- Lightweight aluminum head and tube
- Durable construction
- Steel tie rods for strength
- Special design 360 baffels
- Shatter resistent sight glass
- Quick fill and drain ports
- Flush plugged

MODEL	TANK BORE	PISTON AREA	A	B	C	D	E	F	G	NPT/H	J	K
A-175	1.750	2.40	2.375	2.375	1.187	1.719	.781	5/16-24	.250	.250	1.125	.594
A-200	2.000	3.14	2.375	2.500	1.187	1.844	1.000	5/16-24	.500	.250	1.125	.594
A-250	2.500	4.91	2.375	2.875	1.187	2.206	1.250	5/16-24	.500	.375	1.125	.594
A-300	3.000	7.07	2.375	3.375	1.187	2.625	1.250	5/16-24	.500	.375	1.125	.594
A-350	3.500	9.62	2.875	4.125	1.437	3.224	1.844	3/8-24	.750	.500	1.125	.719
A-450	4.500	15.90	2.875	5.125	1.437	4.024	2.500	1/2-20	.750	.500	1.125	.719
A-500	5.000	19.63	3.000	5.500	1.500	4.108	2.687	1/2-20	.750	.500	1.125	.750
A-600	6.000	28.27	3.000	6.500	1.500	4.875	3.250	1/2-20	.750	.750	1.125	.750
A-800	8.000	50.26	3.000	8.500	1.500	6.440	4.500	5/8-18	.750	.750	1.125	.750

HOW TO SELECT A SPRINGVILLE AIR OIL TANK

1. **Determine the volume, in cubic inches, of oil required by the work cylinder**
   A. This may be accomplished by multiplying the piston area of the work cylinder by the length of stroke of the work cylinder.
   *Piston area may be found in the above chart.
2. **To select the correct tank**
   A. Calculate the correct tank tube length by multiplying the piston area X a tube length that will give you volune ⅓ greater than the work cylinder stroke volume.
   B. Add 4″ to this tube length to allow for the internal baffles and head space.

Note:

1. A smaller tank diameter with a longer tube length is usually the most economical.
2. In rapid cycle operations choose a tank that will have the least oil level variation. (The larger the bore, the less variation.)
3. Maximum oil level above the bottom baffel and/or below the top baffel should be 1″.
4. Mount air-oil tank vertically at the highest point in the system. This allows self bleeding action of the tank.