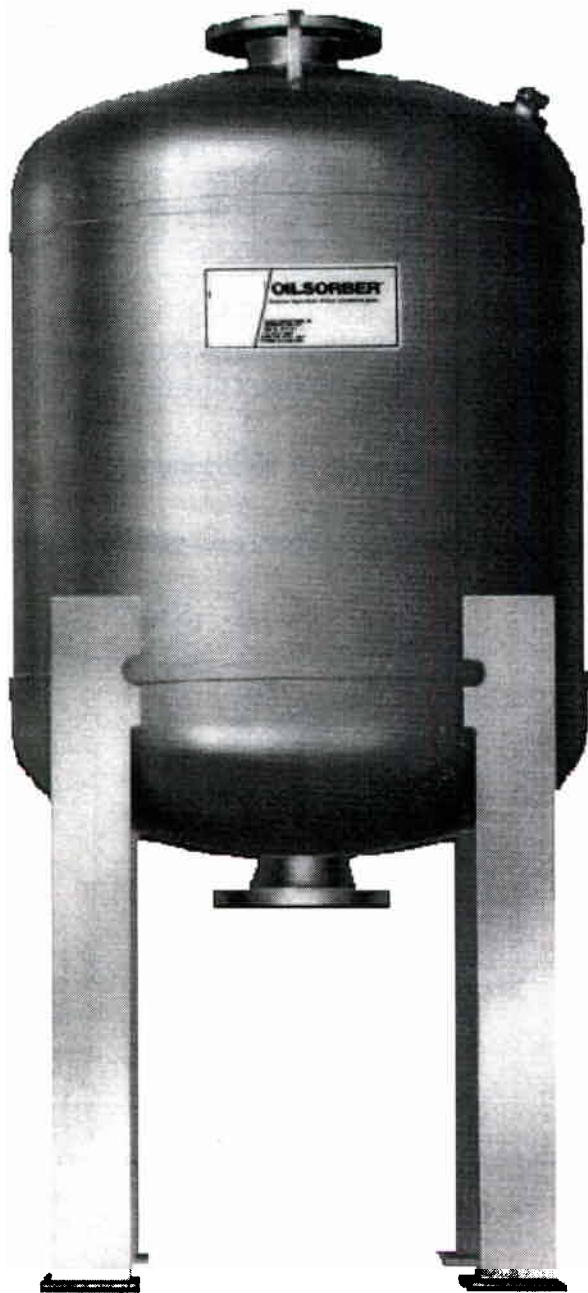




PSB INDUSTRIES INC.  
GENERAL AIR DIVISION  
Making the World's Air Dryer

# OILSORBER



**Regardless of how good a mechanical filter is - it will not remove vapor phase oil...**

**The PSB Hydrier "Oilsorber" with activated alumina does the best job of preventing entrained oil and vapor phase oil from entering the adsorbent beds in the dryer.**

Activated alumina has a high adsorption coefficient for compressor oil. The PSB Oilsorber utilizes a bed of F-200 activated alumina and removes all traces of oil vapor through the adsorption process.

The factors which lead to most complete oil removal are the same as those which would give the lowest

dewpoint in a drying process, i.e., low flow rate, small desiccant particle size, extended contact time, and an oil-free surface.

A PSB coalescing prefilter installed upstream of the Oilsorber can greatly extend the life of the desiccant bed and provide added downstream protection.

MODEL	OL4 <sup>1</sup>	OL6 <sup>1</sup>	OL8 <sup>1</sup>	OL10 <sup>1</sup>	OL12	OL14	OL16	OL18	OL20	OL24	OL30	OL36
SCFM @ 100 PSIG	48	107	183	286	404	488	639	811	1003	1448	2340	3375
Adsorbent - lbs.	7	16	30	50	89	126	173	228	293	445	715	1060
Weight	50	85	130	75	330	385	430	525	625	910	1285	1810
N-1 Inlet & Removal	1	1 ½	1 ½	1 ½	2	2	2	3	3	3	4	6
N-2 Outlet & Fill	1	1 ½	1 ½	1 ½	2	2	2	3	3	3	4	6
N-3/N-4 Insp. & F./R.	--	--	--	--	2	2	2	2	2	2	2	2
Dimension "A"	4½	6 5/8	8 5/8	10¼	12¼	14	16	18	20	24	30	36
Dimension "B"	29	33	36	38	37	40	42	43 ½	45½	49 ½	52	59¼
Dimension "C"	--	10	10	12	17	17	17½	19	19	18 ½	21	24½
Dimension "D"	--	43	46	50	55	57	59½	62 ½	64½	68	73	84¼
Dimension "E"	--	--	--	--	5 5/8	5 5/8	5 5/8	7 3/8	7 3/8	4 3/8	9 1/8	12 5/8
Dimension "F"	--	--	--	--	49¼	51¼	53¼	58 ¼	60¼	64¼	70¼	85
Dimension "G"	--	--	--	--	11¼	11¼	1 ¾	11 ¾	11¼	11	11¼	12
Dimension "H"	--	--	--	--	60½	62½	65	70	72	75¼	85	97

\* All dimensions are in inches.

- Notes:
1. Inlet and outlet screens to be removed for refilling adsorbent (OL4 thru OL10).
  2. When Oilsorber is to be used in conjunction with Hydryer, the Oilsorber is to be placed upstream of dryer in system.
  3. Amount of adsorbent based on activated alumina density of 50 lbs./cu.ft.
  4. Activated carbon is available as an option.
  5. Weights shown are shipping weights with combined adsorbent and vessel weights.
  6. A.S.M.E. code constructed

