



- Absorbs moisture drawn into storage tank during unloading or by "thermal breathing"
- Desiccant can be reactivated thousands of times without appreciable loss in efficiency
- Humidity indicator informs when desiccant bed should be changed
- Available in 2" to 12", DIN sizes available

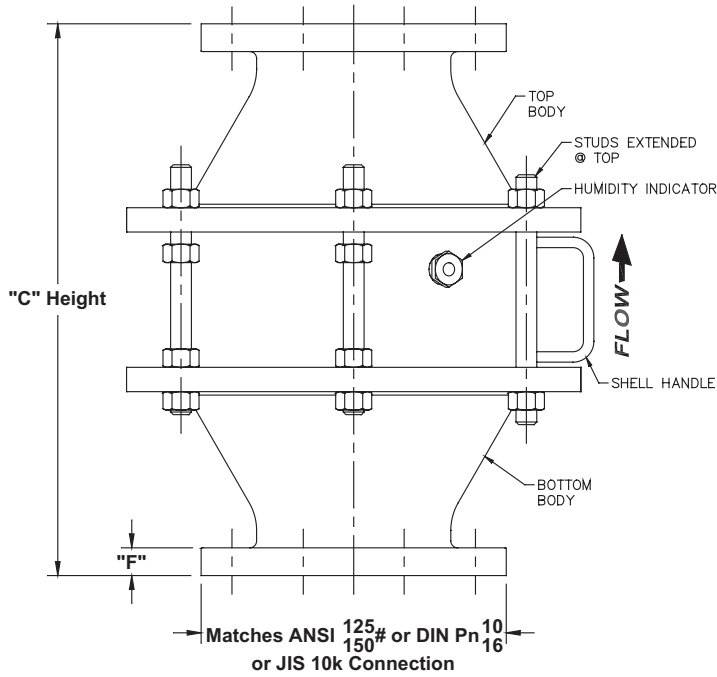
The Shand and Jurs Model 94320 Dehydrator

The Shand & Jurs Model 94320 Dehydrator absorbs moisture from the air that is drawn into a storage tank during the unloading of product or by "thermal breathing" conditions. Desiccant of high absorptive capacity is used as the drying agent. The hard ball shaped form of the desiccant minimizes the pressure drop, permitting more efficiency. This is a function of material surface area and retention time. The nature of the desiccant does not change the flow of gas up to the point of maximum saturation since the moisture is absorbed within the pores of the material. The desiccant is contained in a bank that can be easily removed for cleaning or maintenance.

The humidity indicator is a good barometer to monitor when the desiccant bed is saturated. To reactivate a saturated desiccant bed, heat the bed to 400°F until all moisture is vaporized. The desiccant can be subjected to thousands of absorption-reativation cycles without any appreciable loss of efficiency.

SPECIFICATIONS:

- Model Number: 94320- **AB
- Construction: Aluminum
- Water vapor cap.(approx): See Table 2
- Desiccant capacity: See Table 2
- Dew point of dried air at design flow rate: -100°F.



OUTLINE DIMENSIONS

Size	"C"	"F"	Wgt. (lbs.)
2"	13 3/8	5/8	18
3"	15 5/8	3/4	28
4"	17 7/8	15/16	42
6"	19 7/8	1	82
8"	24 1/2	1 1/8	138
10"	28 7/8	1 3/16	252
12"	32 7/8	1 1/4	365

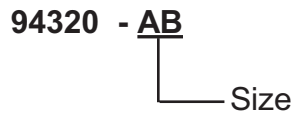
ABSORPTION CAPACITIES (Table 2)

Opt. # (AB)	Size of Unit	Weight of Desiccant lbs/unit	Moisture Absorption Capacity lbs/unit	Temp Range 50-90°F Rel. Hum. Range 20-75%	Temp Range 75-90°F Rel. Hum. Range 60-75%
				40 Grains Moisture per Pound of Air (Gals Withdrawn)	130 Grains Moisture per Pound of Air (Gals Withdrawn)
01	2"	2.4	0.384	6,740	2070
02	3"	4.2	0.672	11,770	3630
03	4"	6.4	1.025	18,000	5540
04	6"	19.8	3.17	55,600	17130
05	8"	34.8	5.57	97,800	30100
06	10"	69.5	11.12	195,000	60200
07	12"	97.7	15.62	274,000	84100

All designs subject to change. Certified dimensions and specifications available upon request

MODEL NUMBER SELECTION:

The model number will consist of a base number 94320 followed by one 2 digit numbers which represent the options listed in the following tables.



ORDERING INFORMATION

Specify:

1. Model 94320 Dehydrator
2. Size
3. Body Material
4. Connection Type



TABLE I (AB) - SIZE

OPTION #	SIZE	DESCRIPTION	WEIGHT LBS
01	2"	ALUMINUM BODY AND SHELL ACTIVATED ALUMINA ELEMENTS	18
02	3"		28
03	4"		42
04	6"		84
05	8"		138
06	10"		282
07	12"		375