MEMBRANE DRYER
Ultra-Dry UFM

UFM membrane dryer are well suited for point of use applications and for small volume flows.

Designed with ease-of-installation and operation in mind, the inlet and outlet are provided as easy-to-install BSP thread connections.

The compressed air flows through a bundle of hollow fibers. As the humid compressed air flows down the bore of the fiber, water vapor diffuses through the walls of the fibers.

At the outlet of the unit, a small volume of the dry compressed air is expanded and released into the space surrounding the outside of the fibers. The dry air sweeps the moisture away from the outside of the fibers and exhausts to the atmosphere as a humid air stream.

Each membrane dryer is equipped with a calibrated purge air blend. No further adjustments are necessary.

The UFM membrane dryer doesn't release any fibers and is suitable for medical air applications.

Our membrane dryers are extremely efficient due to their new, improved hollow fiber technology. Even with low pressure dewpoints, only a relatively small purge air requirement is necessary.

Technical Data

- Max. 12,5 barg
- Max. 60°C
- 1 - 180 m³/h
- Reduces dewpoint: 15-40°C

Model	Purge air (m³/h)	Connection in/out	Flow @ 15°C DP (m³/h)		Flow @ 3°C DP (m³/h)		Flow @ -20°C DP (m³/h)		Flow @ -40°C DP (m³/h)	
			In	Out	In	Out	In	Out	In	Out
UFM 0003	0,3	¼"	3,0	2,7	2,2	1,9	1,4	1,1	1,0	0,7
UFM 0006	0,6	¼"	6,0	5,4	4,3	3,7	2,8	2,2	2,0	1,4
UFM 0009	0,96	¼"	9,0	8,04	6,4	5,44	4,3	3,34	3,1	2,14
UFM 0012	1,14	¼"	12,0	10,86	8,5	7,36	5,7	4,56	4,1	2,96
UFM 0018	1,74	½"	18,0	16,26	12,8	11,06	8,5	6,76	6,2	4,46
UFM 0024	2,28	½"	24,0	21,72	17,1	14,82	11,3	9,02	8,2	5,92
UFM 0036	3,42	½"	36,0	32,58	25,6	22,18	17,1	13,68	12,4	8,98
UFM 0048	4,56	½"	48,0	43,44	34,1	29,54	22,7	18,14	16,4	11,84
UFM 0064	6,18	½"	64,0	57,82	44,8	38,62	29,8	23,62	21,6	15,42
UFM 0090	9	½"	90,0	81	67,2	58,2	43,8	34,8	31,5	22,5
UFM 0125	12,5	½"	125,0	112,5	91,8	79,3	58,8	46,3	42,6	30,1
UFM 0180	18	1"	180,0	162	128,1	110,1	85,5	67,5	61,5	43,5

Based on specific operation conditions. For accurate dimensioning see our guide page 93.