

Memdryer



Specifications

Size, mm:	see table
Reduces dewpoint, °C:	14-40
Flowrate, m3/h:	1-180
Max. Temp. C°:	60
Max. Pressure, barg:	12,5
Efficiency, %:	-
Connection:	see table
Material:	-
O-ring:	-
Recommended prefilter:	MF

Membrane dryers 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.

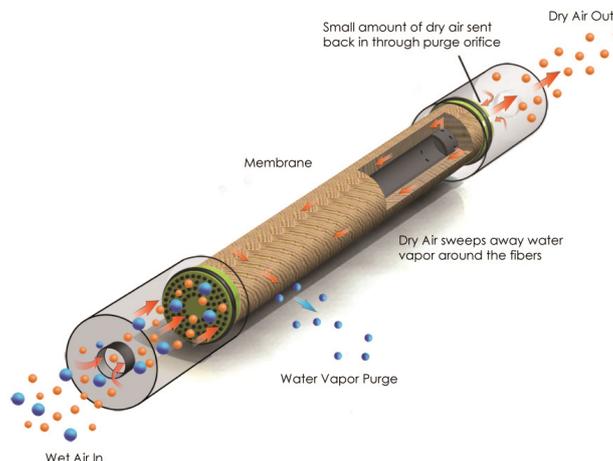
The compressed air flows through a bundle of hollow fibers. As the humid compressed air flows down the bore of the fiber, water vapor diffuses through the walls of the fibers.

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 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.



Model	Purge air (m ³ /h)	Connection in/out	Flow @ 15°C DP (m ³ /h)		Flow @ 3°C DP (m ³ /h)		Flow @ -20°C DP (m ³ /h)		Flow @ -40°C DP (m ³ /h)		Dimensions (mm)	
			In	Out	In	Out	In	Out	In	Out	L	Ø
Fluidpro 3	0,3	¼"	3,0	2,7	2,2	1,9	1,4	1,1	1,0	0,7	224	58
Fluidpro 6	0,6	¼"	6,0	5,4	4,3	3,7	2,8	2,2	2,0	1,4	325	58
Fluidpro 9	0,9	¼"	9,0	8,04	6,4	5,44	4,3	3,34	3,1	2,14	427	58
Fluidpro 12	1,14	¼"	12,0	10,86	8,5	7,36	5,7	4,56	4,1	2,96	503	58
Fluidpro 18	1,74	½"	18,0	16,26	12,8	11,06	8,5	6,76	6,2	4,46	312	81
Fluidpro 24	2,28	½"	24,0	21,72	17,1	14,82	11,3	9,02	8,2	5,92	376	81
Fluidpro 36	3,42	½"	36,0	32,58	25,6	22,18	17,1	13,68	12,4	8,98	465	81
Fluidpro 48	4,56	½"	48,0	43,44	34,1	29,54	22,7	18,14	16,4	11,84	592	81
Fluidpro 63	6,18	½"	63,0	57,82	44,8	38,62	29,8	23,62	21,6	15,42	411	109
Fluidpro 81	9	½"	81,0	81	67,2	58,2	43,8	34,8	31,5	22,5	551	124
Fluidpro 102	12,5	½"	102,0	112,5	91,8	79,3	58,8	46,3	42,6	30,1	627	124
Fluidpro 123	18	1"	123,0	162	128,1	110,1	85,5	67,5	61,5	43,5	607	150

Correction factor:

Operating pressure	bar	4	5	6	7	8	9	10	11	12
Correction factor	K1	0,41	0,56	0,76	1	1,22	1,48	1,76	1,86	2,22

