

SWEEPSAVER" SERIES **ENERGY SAVING MEMBRANE DRYERS**

SweepSaver Series features digital purge control to help you gain control over wasted energy in applications where process air demands start and stop. Traditional membrane dryers are designed for 24/7 operations in continuous flow applications. They pass a constant side-stream of dry process gas known as "sweep air" to exhaust extracted water vapor into the ambient surroundings. When applied to intermittent duty applications that valuable sweep air is wasted when there is no air demand. SweepSaver Series saves you energy and stops unnecessary wear and tear to your air compressor.



REDUCE POWER COSTS

SweepSaver Series' digital purge control (DPC) accepts your demand signal to open and close an integrated normally open, two-way valve to control the sweep air. A "zero demand" signal keeps the bore of the membrane fibers pressurized while DPC eliminates the waste of sweep air to save you energy. Initiate the process' "air demand" signal to start the flow of sweep air. Cycle tested to over 1 million cycles.

SAVE A BUNDLE

SweepSaver Series guarantees constant pressure differential that prevents fiber flexing from pressure surges - the leading cause of membrane fiber failure. Energy saving operation and long bundle life requires constant pressure differential to protect the fibers from damaging shock waves. Controlling sweep air waste by applying a solenoid valve to a sweep air exhaust port, allows the pressures to equalize. Upon release, the shock from the rapidly expanding air causes fatigue of the tiny tubes, cracks develop, fibers break, pressure dew point deteriorates, and the bundle fails. SweepSaver Series saves you a bundle.

SWEEPSAVER™ ENERGY SAVINGS

Model	90%	75%	50 %	25%	10%	
SSM1-3	\$3	\$8	\$17	\$25	\$30	
SSM2-3	\$11	\$26	\$53	\$79	\$95	
SSM3-4	\$23	\$58	\$116	\$174	\$208	
SSM4-4	\$31	\$78	\$156	\$234	\$281	
SSM5-6	\$58	\$145	\$291	\$436	\$523	
SSM6-6	\$90	\$225	\$449	\$674	\$809	
SSM7-8	\$168	\$420	\$839	\$1,259	\$1,511	
SSM8-16	\$259	\$647	\$1,295	\$1,942	\$2,330	
SSM9-16	\$330	\$825	\$1,649	\$2,474	\$2,969	
Assumes \$0.10 p	er kWh, 8,760	hours, 4 cfm/HF	>			





SWEEPSAVER™ SERIES & HMM SERIES SPECIFICATIONS

Inlet and Outlet Flow Capacities @ 100 psig

	Temp	emp Flow Outlet Pressure Dew Point (°F)			Inle	t Temp	Flow		Outlet F	tlet Pressure Dew Point (°F)							
	(°F)	scfm	50	40	20	0	-20	-40		(°F)	scfm	50	40	20	0	-20	-4
	40	Inlet	-	-	-	1.48	1.07	0.81		40	Inlet	-	-	-	71.1	48.6	33
H		Outlet Inlet	-	-	- 1.62	<u>1.29</u> 1.18	0.88	0.62			Outlet	-	-	-	61.5	39.0	2
	60	Outlet	-	-	1.43	0.99	0.90	0.09	-	60	Inlet Outlet	-	-	79.2 69.6	54.5 44.9	38.6 29.0	21
	80	Inlet	-	1.76	1.29	0.99	0.77	0.60		80	Inlet	-	86.7	60.8	43.8	31.5	22
-	00	Outlet	- 1.59	<u>1.57</u> 1.39	<u>1.10</u> 1.08		SSM7	- 00	Outlet	-	77.1	51.2	34.2	21.9	12		
5	100	Inlet Outlet	1.59	1.39	0.89	0.65	0.67	0.33	8	100	Inlet Outlet	77.5 67.9	66.6 57.0	49.3 39.7	36.2 26.6	26.2 16.6	18
	120	Inlet	1.31	1.17	0.94	0.75	0.60	0.48		120	Inlet	62.0	54.4	41.2	30.5	22.1	15
	120	Outlet	<u>1.12</u> 1.06	0.98	0.75	0.56	0.41	0.29		120	Outlet	52.4	44.8	31.6	20.9	12.5	6
	150	Inlet Outlet	0.87	0.96	0.79	0.64	0.32	-		150	Inlet Outlet	47.7 38.1	42.4 32.8	32.5 22.9	24.2 14.6	17.6 8.0	
	40	Inlet	-	-	-	4.80	3.56 2.75		40	Inlet	-	-	-	113.0	79.8	5	
		Outlet Inlet	-	-	5.24	<u>4.20</u> 3.88	2.96	<u>2.15</u> 2.38	œ		Outlet Inlet	-	-	- 124.8	<u>98.3</u> 88.5	<u>65.1</u> 65.0	<u>42</u> 47
	60	Outlet	-	-	4.64	3.28	2.42	1.78		60	Outlet		-	110.1	73.8	50.3	
	80	Inlet	-	5.67	4.23	3.30	2.63	2.10		80	Inlet	-	135.9	97.8	72.7	54.2	39
-		Outlet Inlet	5.15	<u>5.07</u> 4.55	<u>3.63</u> 3.60	2.70	2.03	<u>1.50</u> 1.88	SSM8		Outlet Inlet	- 122.4	121.2	83.1 80.8	<u>58.0</u> 61.4	<u>39.5</u> 46.1	25
	100	Outlet	4.55	3.95	3.00	2.29	1.74	1.28	s	100	Outlet	107.7	91.6	66.1	46.7	31.4	
	120	Inlet	4.29	3.88	3.16	2.58	2.10	1.70		120	Inlet	99.5	88.4	68.8	52.7	39.7	2
H		Outlet Inlet	<u>3.69</u> 3.52	<u>3.28</u> 3.23	2.56	<u>1.98</u> 2.22	<u>1.50</u> 1.83				Outlet Inlet	<u>84.8</u> 78.5	73.7	<u>54.1</u> 55.8	<u>38.0</u> 43.0	<u>25.0</u> 32.4	14
	150	Outlet	2.92	2.63	2.09	1.62	1.23	-		150	Outlet	63.8	55.9	41.1	28.3	17.7	
	40	Inlet	-	-	-	10.04	7.21	5.38		40	Inlet	-	-	-	146.5	104.8	
H	00	Outlet Inlet	-	-	11.09	<u>- 8.72 5.89 4.06</u> 1.09 7.93 5.98 4.57	4.00			Outlet Inlet		-	- 161.4	<u> 127.7</u> 115.7	<u>86.0</u> 86.0	<u>5</u> 63	
	60	Outlet	-	-	9.77	6.61	4.66	3.25		60	Outlet	-	-	142.6	96.9	67.2	44
	80	Inlet Outlet	-	12.07 10.75	8.73 7.41	6.62 5.30	5.11 3.79	3.97 2.65	6	80	Inlet	-	175.3	127.4	95.8	72.4	53
F	100	Inlet	10.87	9.47	7.29	5.69	4.47	3.50	SSM9	100	Outlet Inlet	- 158.3	156.5	108.6 106.1	<u>77.0</u> 81.4	53.6 62.0	<u>3</u> ; 46
	100	Outlet	9.55	8.15	5.97	4.37	3.15	2.18	0,	100	Outlet	139.5	119.3	87.3	62.6	43.2	2
	120	Inlet Outlet	8.88 7.56	7.92 6.60	6.29 4.97	4.99 3.67	3.96 2.64	3.13 1.81		120	Inlet	129.6	115.5	90.9 72.1	<u>70.4</u> 51.6	53.8	4(
	150	Inlet	7.09	6.44	5.24	4.22	3.39	-		150	Outlet Inlet	<u>110.8</u> 103.1	<u>96.7</u> 93.1	74.4	<u>51.6</u> 58.0	<u> </u>	2
	150	Outlet	5.77	5.12	3.92	2.90				150		84.3	74.3				
		la la k					2.07	-		l	Outlet	04.0	14.5	55.6	39.2	25.6	_
	40	Inlet Outlet	-	-	-	14.41	10.83	8.46	NOTES:								
_		Outlet Inlet	-	-	 15.72	14.41 12.63 11.75	10.83 9.05 9.24	8.46 6.68 7.36	1. Use satu	e inlet air te urated). If a	emperature it	the air ente	ring the dryen	r has not	been driec	l upstream	(air is
	60	Outlet Inlet Outlet			- 15.72 13.94	14.41 12.63 11.75 9.97	10.83 9.05 9.24 7.46	8.46 6.68 7.36 5.58	1. Use satu the	e inlet air te urated). If a inlet air.	emperature it air has been	the air ente dried (e.g. ir	ring the drye a refrigerate	r has not ed dryer) i	been driec use the de	l upstream w point ten	(air is nperatu
		Outlet Inlet Outlet Inlet	-	- - - 16.96	- 15.72 13.94 12.76	14.41 12.63 11.75 9.97 10.07	10.83 9.05 9.24 7.46 8.10	8.46 6.68 7.36	1. Use satu the 2. Flow (Co	e inlet air te urated). If a inlet air. w capacitie mpressed	emperature it air has been es are at 100 Air and Gas	the air ente dried (e.g. ir psig (7 kgf/ Institute) St	ring the drye a refrigerate cm²). Capaciti andard ADF 7	r has not ed dryer) i ies are es 700; Mem	been dried use the de tablished i brane Con	l upstream w point ten in accordar npressed A	(air is nperatul nce with Nr Dryer
	60 80	Outlet Inlet Outlet Inlet Outlet Inlet	- - - - - - - - - - - - - - - - - - -	- - - 16.96 <u>15.18</u> 13.69	15.72 13.94 12.76 10.98 10.94	14.41 12.63 11.75 9.97 10.07 8.29 8.86	10.83 9.05 9.24 7.46 8.10 6.32 7.22	8.46 6.68 7.36 5.58 6.53 4.75 5.87	1. Use satu the 2. Flow (Co	e inlet air te urated). If a inlet air. w capacitie mpressed thods for T	emperature it air has been es are at 100 Air and Gas	the air ente dried (e.g. ir psig (7 kgf/ Institute) St	ring the dryen a refrigerate cm²). Capaciti	r has not ed dryer) i ies are es 700; Mem	been dried use the de tablished i brane Con	l upstream w point ten in accordar npressed A	(air is nperatul nce with Nr Dryer
	60 80 100	Outlet Inlet Outlet Inlet Outlet Unlet Outlet	- - - - 15.45 13.67	- - - 16.96 15.18 13.69 11.91	- 15.72 13.94 12.76 10.98 10.94 9.16	14.41 12.63 11.75 9.97 10.07 8.29 8.86 7.08	10.83 9.05 9.24 7.46 8.10 6.32 7.22 5.44	8.46 6.68 7.36 5.58 6.53 4.75 5.87 4.09	1. Use satu the 2. Flow (Co. Met	e inlet air te urated). If a inlet air. w capacitie mpressed thods for T tory.	emperature il air has been es are at 100 Air and Gas Testing and R	the air ente dried (e.g. ir psig (7 kgf/ Institute) St ating. Large	ring the drye a refrigerate cm²). Capaciti andard ADF 7 r capacities, a	r has not ed dryer) i ies are es 700; Mem	been dried use the de tablished i brane Con	l upstream w point ten in accordar npressed A	(air is nperatul nce with Nr Dryer
	60 80	Outlet Inlet Outlet Inlet Outlet Inlet	- - - - - - - - - - - - - - - - - - -	- - - 16.96 <u>15.18</u> 13.69	15.72 13.94 12.76 10.98 10.94	14.41 12.63 11.75 9.97 10.07 8.29 8.86	10.83 9.05 9.24 7.46 8.10 6.32 7.22	8.46 6.68 7.36 5.58 6.53 4.75 5.87	1. Use satu the 2. Flow (Co. Met	e inlet air te urated). If a inlet air. w capacitie mpressed thods for 7 tory. 100°F Ir	emperature it air has been es are at 100 Air and Gas Testing and R nlet to 100	i the air ente dried (e.g. ir psig (7 kgf/ Institute) St. ating. Large °F Inlet to	ring the drye a refrigerate cm²). Capaciti andard ADF 7 r capacities, a	r has not i ed dryer) i ies are es 700; Mem alternate p	been dried use the de tablished i brane Con pressures,	l upstream w point ten in accordar npressed A and dew p	(air is nperatul nce with Nr Dryer
	60 80 100	Outlet Inlet Outlet Inlet Outlet Inlet Outlet Inlet Outlet Inlet	- - - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -	- 15.72 13.94 12.76 10.98 10.94 9.16 9.65 7.87 8.26	14.41 12.63 11.75 9.97 10.07 8.29 8.86 7.08 7.93 6.15 6.88	10.83 9.05 9.24 7.46 8.10 6.32 7.22 5.44 6.52 4.74 5.71	8.46 6.68 7.36 5.58 6.53 4.75 5.87 4.09 5.33 3.55	1. Use satu the 2. Flov (Co. Met fact	e inlet air te urated). If a inlet air. w capacitie mpressed thods for 7 tory. 100°F Ir 40°F	emperature it air has been Air and Gas Festing and R hlet to pdp	the air ente dried (e.g. ir psig (7 kgf/ Institute) St ating. Large °F Inlet to J °F pdp	ring the dryen a refrigerate cm²). Capacith andard ADF 7 r capacities, a	r has not i ed dryer) i ies are es 700; Mem alternate p	been dried use the de tablished i brane Con	l upstream w point ten in accordar npressed A and dew p	(air is nperatul nce with Nr Dryer
	60 80 100 120 150	Outlet Inlet Outlet Inlet Outlet Inlet Outlet Inlet Outlet Unlet Outlet	- - - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -	- 15.72 13.94 12.76 10.98 10.94 9.65 7.87 8.26 6.48	14.41 12.63 11.75 9.97 10.07 8.29 8.86 7.08 7.08 7.93 6.15 6.88 5.10	10.83 9.05 9.24 7.46 8.10 6.32 7.22 5.44 6.52 4.74 5.71 3.93	8.46 6.68 7.36 5.58 6.53 4.75 5.87 4.09 5.33 3.55	1. Use satu the 2. Flow (Co. Met	e inlet air te urated). If a inlet air. w capacitie mpressed thods for 1 tory. 100°F Ir 40°F I Inlet (emperature it air has been Air and Gas Festing and R nlet to pdp Cutlet Inl	the air ente dried (e.g. ir psig (7 kgf// Institute) St ating. Large °F Inlet to °F Inlet to °F pdp et Outlet	ring the dryen a refrigerate cm²). Capaciti andard ADF 7 r capacities, a In / Out ¹	r has not , ed dryer) i ies are es 700; Mem alternate j	been dried use the de tablished brane Con pressures, Dimensi	l upstream w point ten in accordar npressed A and dew p ons	(air is mperatur nce with hir Dryer points co
	60 80 100 120	Outlet Inlet Outlet Inlet Outlet Inlet Outlet Inlet Outlet Inlet Outlet Inlet Outlet	- - - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -	- 15.72 13.94 12.76 10.98 10.94 9.65 7.87 8.26 6.48	14.41 12.63 11.75 9.97 10.07 8.29 8.86 7.08 7.93 6.15 6.88 5.10 25.7 22.4	10.83 9.05 9.24 7.46 8.10 6.32 7.22 5.44 6.52 4.74 5.71 3.93 18.4 15.1	8.46 6.68 7.36 5.58 6.53 4.75 5.87 4.09 5.33 3.55 	1. Use satu the 2. Flov (Co. Met fact	e inlet air te urated). If a inlet air. w capacitie mpressed thods for 1 tory. 100°F Ir 40°F I Inlet (emperature it air has been Air and Gas Festing and R hlet to pdp	the air ente dried (e.g. ir psig (7 kgf// Institute) St ating. Large °F Inlet to °F Inlet to °F pdp et Outlet w Flow	ring the dryen a refrigerate cm²). Capacith andard ADF 7 r capacities, a	r has not , ed dryer) i ies are es 700; Mem alternate j	been dried use the de tablished i brane Con pressures, Dimensi 12	l upstream w point ten in accordar npressed A and dew p	(air is nperatul nce with Nr Dryer
	60 80 100 120 150	Outlet Inlet Outlet Inlet Outlet Inlet Outlet Inlet Outlet Inlet Outlet Inlet Outlet Inlet Inlet	- - - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -	- 15.72 13.94 12.76 10.98 10.94 9.16 9.65 7.87 8.26 6.48 - 28.4	$\begin{array}{c} 14.41\\ 12.63\\ 11.75\\ 9.97\\ 10.07\\ 8.29\\ 8.86\\ 7.08\\ 7.93\\ 6.15\\ 6.88\\ 5.10\\ 25.7\\ 22.4\\ 20.3\\ \end{array}$	10.83 9.05 9.24 7.46 8.10 6.32 7.22 5.44 6.52 4.74 5.71 3.93 18.4 15.1 15.0	8.46 6.68 7.36 5.58 6.53 4.75 5.87 4.09 5.33 3.55 - - - - - - - - - - - - - - - - - -	1. Use satu the 2. Flov (Co. Met fact Model SSM1	e inlet air te urated), If a w capacitie w pressed thods for T ory. 100°F Ir 40°F I Inlet (Flow scfm 1.39	emperature it air has been as are at 100 Air and Gas resting and R hlet to pdp (0utlet Int Flow Scfm Scf 1.20 0.8	the air ente dried (e.g. ir psig (7 kgf// Institute) St ating. Large °F Inlet to 1°F pdp et Outlet w Flow <u>m scfm</u> 5 0.66	ring the dryen a refrigerate cm ²). Capaciti andard ADF 7 r capacities, a In / Out ¹ Connectio	r has not d dryer) i ies are es '00; Mem alternate p ns H in 16	been dried use the de tablished i brane Con pressures, Dimensi 12 <u>mm i</u>	t upstream w point ten in accordar npressed A and dew p ons W n mm 4 105	(air is mperatur nce with hir Dryer points co Weig <u>Ibs</u> 8
	60 80 100 120 150 40 60	Outlet Inlet Outlet Inlet Outlet Inlet Outlet Inlet Outlet Inlet Outlet Inlet Outlet Inlet Outlet Inlet Outlet	- - - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -	- 15.72 13.94 12.76 10.98 10.94 9.16 9.65 7.87 8.26 6.48 - - - - - - - - - - - - - - - - - - -	14.41 12.63 11.75 9.97 10.07 8.29 8.86 7.08 7.93 6.15 6.88 5.10 25.7 22.4 20.3 17.0	10.83 9.05 9.24 7.46 8.10 6.32 7.22 5.44 6.52 4.74 5.71 3.93 18.4 15.1 15.0 11.7	8.46 6.68 7.36 5.58 6.53 4.75 5.87 4.09 5.33 3.55 - - 13.3 10.0 11.0 7.7	1. Use satu the 2. Flov (Co. Met fact Model <u>SSM1</u> <u>SSM2</u>	e inlet air te rrated), If i inlet air. w capacitie mpressed thods for T tory. 100°F Ir 40°F Inlet (Flow Scfm 1.39 4.55	emperature ii air has been es are at 100 Air and Gas festing and R hlet to pdp Outlet Flow Scfm 1.20 0.8 3.95 2.8	the air ente dried (e.g. ir psig (7 kgf/ Institute) St ating. Large of Inlet to Io ^o F pdp et Outlet w Flow m scfm 5 0.66 9 2.29	ring the dryen a refrigerate cm ²). Capaciti andard ADF 7 r capacities, a In / Out ¹ Connectio	r has not i d dryer) i ies are es 700; Mem. alternate p ns H in 16 20	been driec use the de tablished i brane Con pressures, Dimensi 12 mm i 404 509	d upstream w point ten in accordar pressed A and dew p ons W n mm 4 105 4 105	(air is mperatur nce with lir Dryer points co Weigl Ibs 8 9
	60 80 100 120 150 40	Outlet Inlet Outlet Inlet Outlet Inlet Outlet Inlet Outlet Inlet Outlet Inlet Outlet Inlet Outlet Inlet Outlet Inlet Outlet Outlet		- - - - - - - - - - - - - - - - - - -	15.72 13.94 12.76 10.98 9.16 9.65 7.87 8.26 6.48 - - - - - - - - - - - - - - - - - - -	$\begin{array}{c} 14.41\\ 12.63\\ 11.75\\ 9.97\\ 10.07\\ 8.29\\ 8.86\\ 7.08\\ 6.15\\ 6.88\\ 5.10\\ 25.7\\ 22.4\\ 20.3\\ 17.08\\ 16.8\\ 13.5\\ \end{array}$	$\begin{array}{c} 10.83\\ 9.05\\ 9.24\\ 7.46\\ 8.10\\ 6.32\\ 7.22\\ 5.44\\ 6.52\\ 4.74\\ 5.71\\ 3.93\\ 18.4\\ 15.1\\ 15.0\\ 11.7\\ 12.6\\ 9.3\\ \end{array}$	8.46 6.68 7.36 5.58 6.53 4.75 5.87 4.09 5.33 3.55 - - - - 13.3 13.3 11.0 11.0 7.7 9.3 6.0	1. Use satu the 2. Flov (Co, Met fact Model SSM1 SSM2 SSM3	e inlet air te rrated). If a inlet air. w capacitie mpressed thods for T tory. 100°F In 40°F Inlet 0 Flow Scfm 1.39 4.55 9.47	emperature il air has been es are at 100 Air and Gas Festing and R Under to Dutlet Flow Scim Scim Sci 1.20 0.8 3.95 2.8 8.15 5.6	the air ente dried (e.g. ir psig (7 kgf/institute) St atting. Large °F Inlet to 1°F pdp et Outlet w Flow <u>m scfm</u> <u>5 0.66</u> <u>9 2.29</u> <u>9 4.37</u>	ring the drye, o a refrigerate andard ADF 7 r capacities, a In / Out ¹ Connectio inches	r has not i d dryer) i ies are es 700; Mem. alternate p in <u>in</u> <u>16</u> 2 ^m <u>20</u> 24	been dried use the de tablished i brane Con pressures, Dimensi 12 mm i 404 509 613	d upstream w point ten in accordar npressed A and dew p ons W n mm 4 105 4 105 4 105	(air is mperatur nce with ir Dryen points co Weigl Ibs 8 9 10
	60 80 100 120 150 40 60	Outlet Inlet Outlet Inlet Outlet Inlet Outlet Inlet Outlet Inlet Outlet Inlet Outlet Inlet Outlet Inlet Inlet Inlet		- 16.96 15.18 13.69 11.91 11.74 9.96 8.06 - - - - - - - - - - - - -	- 15.72 13.94 12.76 10.94 9.16 9.65 7.87 8.26 6.48 - - - - - - - - - - - - - - - - - - -	14.41 12.63 9.97 10.07 8.86 7.08 7.93 6.15 6.88 6.88 6.88 6.88 6.81 25.7 22.4 20.3 17.0 16.8 13.5 14.2	10.83 9.24 7.46 8.10 6.32 7.22 5.44 6.52 4.74 5.71 3.93 18.4 15.1 15.0 11.7 12.6 9.3 10.7	8.46 6.68 7.36 5.58 6.53 4.75 5.87 4.09 5.33 3.55 - - - - - - - - - - - - - - - - - -	1. Use satu the 2. Flov (Co. Met fact Model <u>SSM1</u> <u>SSM2</u>	e inlet air te vrated). If a inlet air. v capacitie mpressed thods for 7 ory. 100°F Ir 40°F I Inlet 0 Flow scfm 1.39 4.55 9.47 13.69 24.30	emperature it air has been es are at 100 Air and Gas festing and R flow flow flow flow flow flow flow flow	ithe air ente dried (e.g. ii psig (7 kgf/i institute) Sta tating. Large °F Inlet to 1°F pdp et Outlet w Flow m scfm 5 0.66 9 2.29 9 4.37 6 7.08 20 10.90	ring the dryen a refrigerate crm ²). Capaciti andard ADF r capacities, a In / Out¹ Connectio inches - - - 3/8" or 1/2	ns H ns H ns H ns 16 2" 24 32 , 25	been dried use the de tablished d brane Con pressures, Dimensi 12 mm i 404 509 613 811 823	d upstream w point ten in accordar npressed A and dew p ons W n mm 4 105 4 105 4 105 5 133	(air is mperature nice with lir Dryer points co bis 8 9 10 11 14
	60 80 100 120 150 40 60 80 100	Outlet Inlet Outlet Inlet Outlet Inlet Outlet Inlet Outlet Inlet Outlet Inlet Outlet Inlet Outlet Inlet Outlet Inlet		- - - - - - - - - - - - - -	- 15.72 13.94 12.76 10.98 9.16 9.65 7.87 8.26 6.48 - - 28.4 25.4 22.4 19.1 18.6 15.3 15.9	$\begin{array}{c} 14.41\\ 12.63\\ 9.97\\ 10.07\\ 8.29\\ 8.86\\ 7.08\\ 7.93\\ 6.15\\ 6.88\\ 5.10\\ 25.7\\ 22.4\\ 20.3\\ 17.0\\ 16.8\\ 13.5\\ 14.2\\ 10.9\\ 12.2\\ \end{array}$	$\begin{array}{c} 10.83\\ 9.05\\ 9.24\\ 8.10\\ 6.32\\ 7.22\\ 5.44\\ 6.52\\ 4.74\\ 5.71\\ 3.93\\ 18.4\\ 15.1\\ 15.0\\ 11.7\\ 12.6\\ 9.3\\ 10.7\\ 7.4\\ 9.3\end{array}$	8.46 6.68 7.36 5.58 6.53 4.75 5.87 4.09 5.33 3.55 - - - - 13.3 13.3 11.0 11.0 7.7 9.3 6.0	1. Use satu the 2. Flov (Co Medel 55M1 55M2 55M3 55M4 55M5 55M6	e inlet air te vrated). If a inlet air. v capacitie mpressed thods for 7 ory. 100°F Ir 40°F I Inlet (Flow scfm 1.39 4.55 9.47 13.69 24.30 40.50	emperature it air has been es are at 100 Air and Cas Testing and R Flow Scfm Scf 1.20 0.8 8.15 5.6 11.91 8.8 21.00 14.4 21.00 42.6	ithe air ente dried (e.g. ii psig (7 kgf// institute) Sta ating. Large °F Inlet to °F Pdp et Outlet w Flow m scfm 5 0.66 9 2.29 9 4.37 6 7.08 20 10.90 30 21.50	ring the drye, o a refrigerate andard ADF 7 r capacities, a In / Out ¹ Connectio inches	ns H ns H ns H 2" 2" 24 32 32 32	been dried use the de tablished brane Con pressures, Dimensi 12 mm i 404 509 613 811 623 822	l upstream w point ten in accordar npressed A and dew p ons W n mm 4 105 4 105 4 105 5 133	(air is mperature nce with hir Dryen points co Ubs 8 9 10 11 14 14
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Standard one year warranty is extended to three years when dryer is installed with an optional pre-filter package. To keep the warranty in effect, cartridges must be replaced at six month intervals and the drain mechanism yearly.

HANKISON, AN SPX BRAND 1000 PHILADELPHIA STREET CANONSBURG, PA 15317-1700 U.S.A. TEL | 724 | 745 | 1555 FAX | 724 | 745 | 6040 Email: hankison.sales@spx.com www.hankisonintl.com





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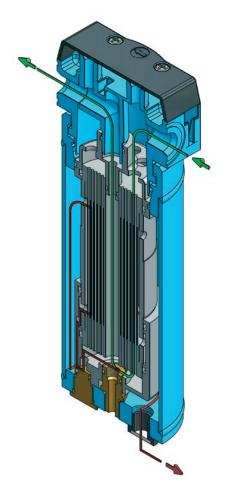
Modular Membrane Compressed Air Dryers

SWEEPSAVER™ SERIES & HMM SERIES



MODULAR MEMBRANE COMPRESSED AIR DRYERS ENERGY SAVINGS THROUGH SELECTIVE PERMEATION

Since 1948, people around the globe have relied on Hankison to deliver energy efficiency and value in meeting their compressed air treatment needs. SweepSaverTM Series and HMM Series Modular Membrane Compressed Air Dryers offer you two revolutionary "point-of-use" alternatives for low dew point applications.



MEMBRANE DRYING

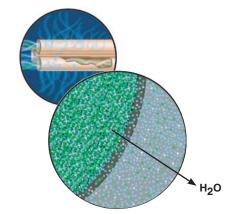
Hankison modular membrane compressed air dryers were developed to complement our stable of industry leading refrigeration, adsorption and filtration technologies. Membrane dryers use a bundle of tiny tubular fibers that let fast gases like water vapor permeate through the tube wall to be swept away into the ambient. Our membrane fiber technology features multiple strands to form a continuous microscopic sieve that targets and removes "fast gases" like water molecules as a vapor. Pressure dew points from +50°F to -40°F are achieved by balancing the model size, air pressure and volume (scfm) requirements to the application.

SELECTIVE PERMEATION

Through the process of selective permeation, water vapor is removed while leaving the gas composition intact. Each membrane bundle is comprised of multiple tubular membrane fibers, evenly spaced to provide maximum surface area in a compact design. Each helically wrapped layer alternates direction to ensure consistent cross-sectional density and large flow paths for the sweep air that carries the water vapor to atmosphere. No oxygen is lost, which makes these ideal for medical applications.

SELECTIVE PERMEATION PROCESS

- Compressed air enters the center of the membrane tubes
- Water (H₂O) vapor diffuses through the membrane wall faster than the other gases
- A small portion of dry compressed air is swept back across the outside of the membrane walls to evacuate the H2O vapor to atmosphere
- Dry compressed air exits the unit ready for process applications



MODULAR MEMBRANE COMPRESSED AIR DRYERS

ENERGY EFFICIENT, SPACE SAVING DESIGNS

- Inside-to-outside permeation for greater efficiency
- Helically wound bundles for low pressure drop, high flow capacity
- Compact design offers a space-saving point-of-use solution





SSM SERIES AND HMM SERIES MODULAR MEMBRANE DRYERS

- Internal and external epoxy powder coat offers durable protection
- Modular connections reduce leak points and simplify installation
- Dewpoints to -40°F

HMM SERIES CONTINUOUS FLOW MEMBRANE DRYERS

HMM Series modular membrane compressed air dryers provide clean, dry compressed air wherever you need it. Designed for continuous flow applications, HMM Series dryers pass a constant side-stream of dry sweep air to exhaust the extracted water vapor into the ambient surroundings.



MODULAR HF SERIES AIR PREPARATION

Operation requires the removal of contaminants like liquid water, compressor lubricant, dust, rust, and pipe scale before entering the dryer. Clean, filtered, compressed air will reward you with many years of satisfactory performance from your Modular Membrane dryer.

Simply select the series and model that meets your requirements, then, add the level of filtration you need.

FILTER PACKAGE RECOMMENDATIONS

	Recommended HF Series Filtration				
1,000 ppm w/w	Prefilter:	Grade 5 - 0.008 ppm (0,01 mg/m ³) oil removal			
2,000 ppm w/w	Prefilters:	Grade 7 - 1 micron particulate Grade 3 - 0.0008 ppm (0,001 mg/m³) oil removal			
2,000 ppm w/w	Prefilters: Afterfilter:	Grade 7 - 1 micron particulate Grade 3 - 0.0008 ppm (0,001 mg/m ³) oil removal Grade 1- Oil vapor and 0.003 ppm (0,004 mg/m ³) oil removal			
	Inlet Content to Filter 1,000 ppm w/w 2,000 ppm w/w 2,000	1,000 Prefilter: ppm w/w Prefilters: 2,000 prm w/w Prefilters: 2,000 Prefilters:			

TYPICAL APPLICATIONS

- Original Equipment Manufacturers (O.E.M.)
- NEMA 7 Hazardous Environments (HMM Series only)
- Paint Spray Booths
- Dust Collectors
- Coordinate Measuring Machines
- Fluid Agitation
- Dental, Medical, Distilling, Photo Processing,
- Packaging, Graphic Arts, and Dry Cleaning Equipment Instrument Air
- Locomotive Air Brakes
- Oil & Gas Wells
- Ozone Generators
- Air Logic
- Rapid Transit Fare Collection Systems
- Air Blanketing
- Telephone Cable Pressurization
- Ship Supply Air
- Laboratory Instruments
- Control Panel Purge Air
- Optical Lens Cleaning
- Laser Optics
- Welding Equipment
- Chemical and Gas Analyzers
- Dimensioning and Positioning Machines
- Product Fluidization