



Design condition

A. Working pressure	0.4	0.5	0.6	0.7	0.8	0.9	1.0
Correction factor	0.63	0.75	0.88	1.00	1.13	1.25	1.38
B. Ambient temperature	≤35	40	45	50			
Correction factor	1.00	0.97	0.88	0.73			

Formula

⊙ Actual capacity =

MHD capacity × (A×B)

⊙ Actual capacity =

Demanded capacity ÷ (A×B)

Specification

Model	Max. capacity (Nm ³ /min)	Connection (Inch)	High dew point (Dew point pressure -70°C)			Low dew point (Dew point pressure -40°C)		
			Dimension H×D×W(mm)	Desiccant weight (Kg)	Net weight (Kg)	Dimension H×D×W(mm)	Desiccant weight (Kg)	Net weight (Kg)
MHD-10	1.6	3/4"Rc	850×850×1755	35	180	785×810×1700	25	167
MHD-15	2.4	1"Rc	850×850×2000	45	195	850×850×1700	35	180
MHD-25	3.6	1"Rc	850×850×1960	75	250	850×850×1600	55	214
MHD-40	5.5	1-1/2"Rc	1200×1000×1920	105	305	1200×1000×1900	80	280
MHD-60	8.1	1-1/2"Rc	1200×1000×1935	135	395	1200×1000×1890	120	365
MHD-100	15	2"Rc	1300×1200×2325	270	620	1200×1200×2150	226	551
MHD-150	22	3"FL	1500×1700×2470	360	905	1500×1500×2350	320	835
MHD-200	27	3"FL	1500×1700×2440	575	1220	1700×1700×2210	475	1051
MHD-250	36	3"FL	1500×1700×2665	660	1376	1700×1700×2480	555	1200
MHD-300	43	4"FL	1700×2000×2280	830	1520	1730×1700×2750	650	1360
MHD-350	55	4"FL	1700×2000×2480	940	1710	1800×2000×2450	890	1630
MHD-400	66	4"FL	1700×2000×2790	1090	2010	1800×2000×2650	1020	1830
MHD-500	72	5"FL	2000×2100×2930	1210	2136	1810×2000×2900	1120	1995
MHD-600	88	5"FL	2000×2200×3100	1440	2465	2000×2000×3000	1200	2150
MHD-700	93	6"FL	2500×2300×3500	1560	2653	2300×2400×2950	1250	2216
MHD-800	116	6"FL	2500×2400×3500	1950	3135	2350×2400×3170	1610	2730
MHD-900	125	6"FL	2600×2500×3500	2090	3365	2500×2600×3250	1720	2890
MHD-1000	134	6"FL	2600×2600×3500	2240	3505	2600×2600×3350	1990	3190
Conditions	<ul style="list-style-type: none"> ■ Working pressure: 0.45~1.0 MPa ■ Pressure drop: 0.02 MPa 		<ul style="list-style-type: none"> ■ Inlet temp.: 49°C Max ■ Environment temp.: -40~85°C 		<ul style="list-style-type: none"> ■ Power supply: 100~240V/1Ph/50/60Hz ■ Ave. Purge air: 13.5~15% 			
Ordering	<p>Necessary for desiccant air dryers - pre/after filter packages Pre filter-Keep dirt and especially oil away from desiccant. Use Grade T(1μ) + Grade A(0.01μ) as pre filter packages. After filter - To remove desiccant dust. Grade T(1μ) is recommended as after filter.</p> <ul style="list-style-type: none"> ■ Molecular Sieves - MS ■ Dew Point Monitor - M ■ Auto Purge Controller - APC ■ High Pressure - H ■ Flow Meter - F ■ Panel Type - S 							

Features

1. Inlet air high temperature alarm

Higher inlet temperature means higher water content. Set point 49°C or 51°C. Lower inlet pressure makes water content higher and air flow speed faster. More purge air needed. Set point 0.45MPa.

2. Microprocessor control system

- Cycle time selector(4/10 min.).
- Purge Economizer(25~100%).
- Tower status lights.
- Valves operation & failure alarm.
- Easy to replace and install.

3. Valve

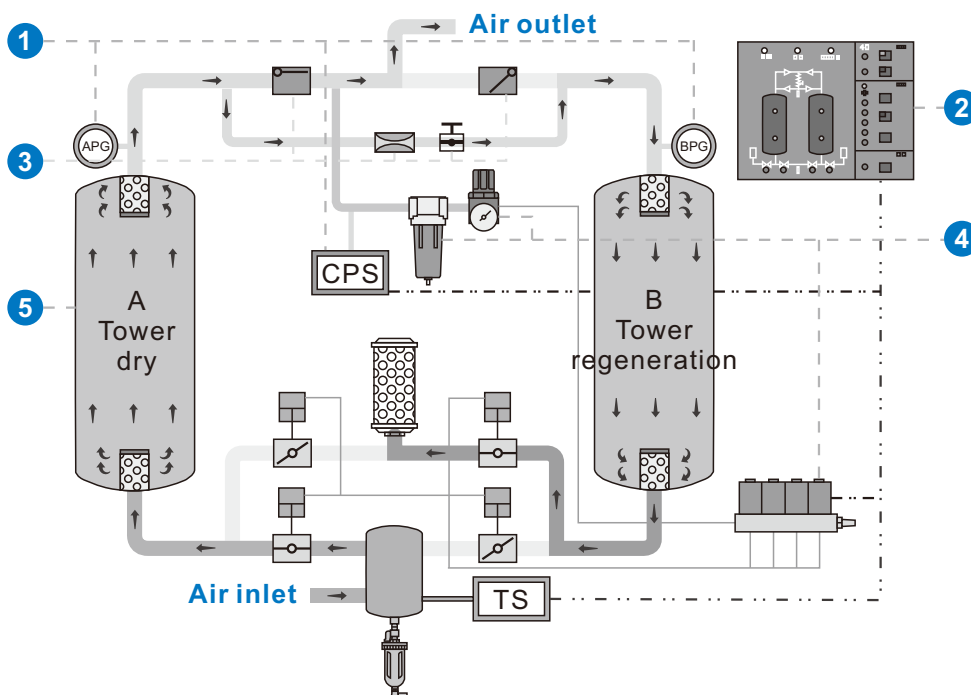
Topest quality direct acting air operated ball valve or pilot axial valve for full range. High cycle life and lack free service offered.

4. Pilot air filter

Keep desiccant dust away from air acting parts to eliminate clogging.

5. Tower

Tower sized through accurate test plus stainless steel flow diffusers/support screens to ensure sufficient contact time and avoid desiccant channeling and fluidized.



Application

