



Design condition

A. Working pressure: 0.7MPa	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)			High 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	Rc3/4"	850×850×1755	35	180	785×810×1700	25	167
MHD-15	2.4	Rc1"	850×850×2000	45	195	850×850×1700	35	180
MHD-25	3.6	Rc1"	850×850×1960	75	250	850×850×1600	55	214
MHD-40	5.5	Rc1-1/2"	1200×1000×1920	105	305	1200×1000×1900	80	280
MHD-60	8.1	Rc1-1/2"	1200×1000×1935	135	395	1200×1000×1890	120	365
MHD-100	15	Rc2"	1300×1200×2325	270	620	1200×1200×2150	226	551
MHD-150	22	FL3"	1500×1700×2470	360	905	1500×1500×2350	320	835
MHD-200	27	FL3"	1500×1700×2440	575	1220	1700×1700×2210	475	1051
MHD-250	36	FL4"	1500×1700×2665	660	1376	1700×1700×2480	555	1200
MHD-300	43	FL4"	1700×2000×2280	830	1520	1730×1700×2750	650	1360
MHD-350	50	FL4"	1700×2000×2480	940	1710	1800×2000×2450	890	1630
MHD-400	61	FL4"	1700×2000×2790	1090	2010	1800×2000×2650	1020	1830
MHD-500	72	FL5"	2000×2100×2930	1210	2136	1810×2000×2900	1120	1995
MHD-600	79	FL5"	2000×2200×3100	1440	2465	2000×2000×3000	1200	2150
MHD-700	93	FL6"	2500×2300×3500	1560	2653	2300×2400×2950	1250	2216
MHD-800	116	FL6"	2500×2400×3500	1950	3135	2350×2400×3170	1610	2730
MHD-900	125	FL6"	2600×2500×3500	2090	3365	2500×2600×3250	1720	2890
MHD-1000	134	FL8"	2600×2600×3500	2240	3505	2600×2600×3350	1990	3190
Conditions	<ul style="list-style-type: none"> Working pressure: 0.45~1.0 MPa Power supply: 100~240V/1Ph/50/60Hz Environment temp.: -40~85°C 		<ul style="list-style-type: none"> Inlet temp.: 49°C Max Pressure drop: 0.02 MPa Ave. Purge air: 13.5~15% 					
Ordering	<p>Necessary for desiccant air dryers - pre/after filter packages</p> <p>Pre filter-Keep dirt and especially oil away from desiccant. Use Grade T(1μ) + Grade A (0.01μ) as pre filter packages.</p> <p>After filter - To remove desiccant dust. Grade T(1μ) is recommended as after filter.</p> <ul style="list-style-type: none"> Molecular Sieves - MS Auto Purge Controller - APC Flow Meter - F Dew Point Monitor - M High Pressure - H 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 0.45 MPa.

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

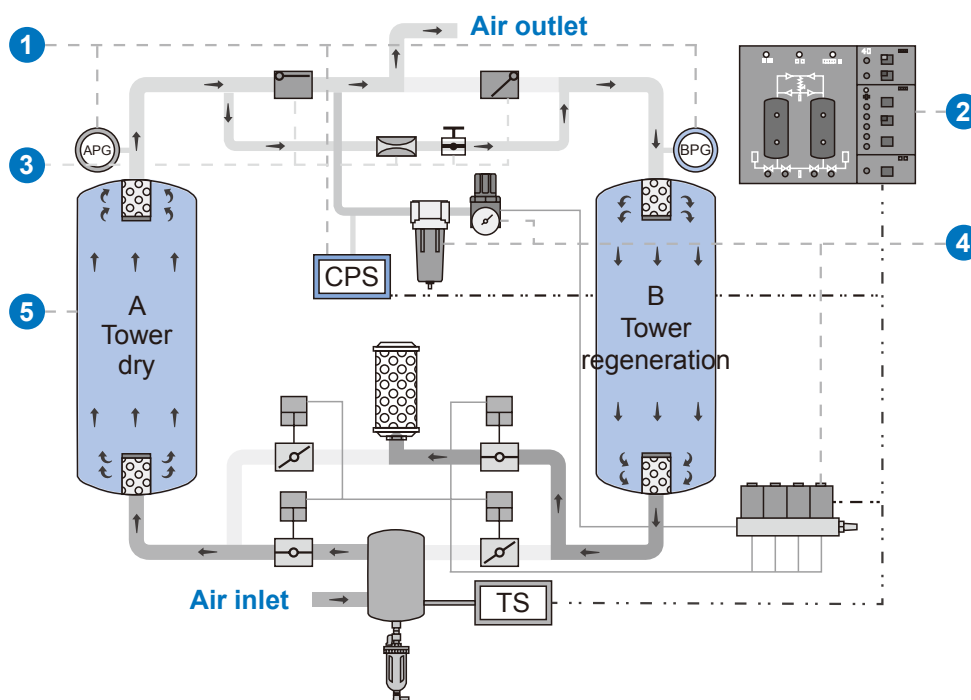
- Topest quality direct acting air operated ball valve or pilot axial valve for full range. High cycle life and lack free service offered.

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

