

MHT Series

High Inlet Temp Refrigerated Air Dryers



For Clean, Dry, Contaminate Free Compressed Air

- Ideal for auto body repair shops
- Eliminates fish eyes in paint jobs
- Provides dry air suitable for waterborne paints



Setting a new standard in Quality and Reliability

www.macair1.com

Eliminate Water From Your Compressed Air System

Untreated compressed air is the unseen killer in all compressed air applications. Premature tool failure, product spoilage, failed instrumentation, damaged actuators and cylinders, are only part of the long list of casualties in the battle for increased productivity and profits.

It is all too common that compressed air is the forgotten utility in most facilities. Without proper treatment, this vital source of work is a wet, gritty, acidic brew, silently destroying all that it comes into contact with.

In this day and age, clean dry compressed air is a necessity not a luxury. The MACAIR MHT Series of refrigerated air dryers is the key component in the ultimate solution for most applications. The installation of the right MACAIR MHT Series dryer will show immediate results and effectively remove gross amounts of water from the compressed air system. Protection that you need to ensure the best chance of maximum productivity, reduced downtime, and enhanced profitability.

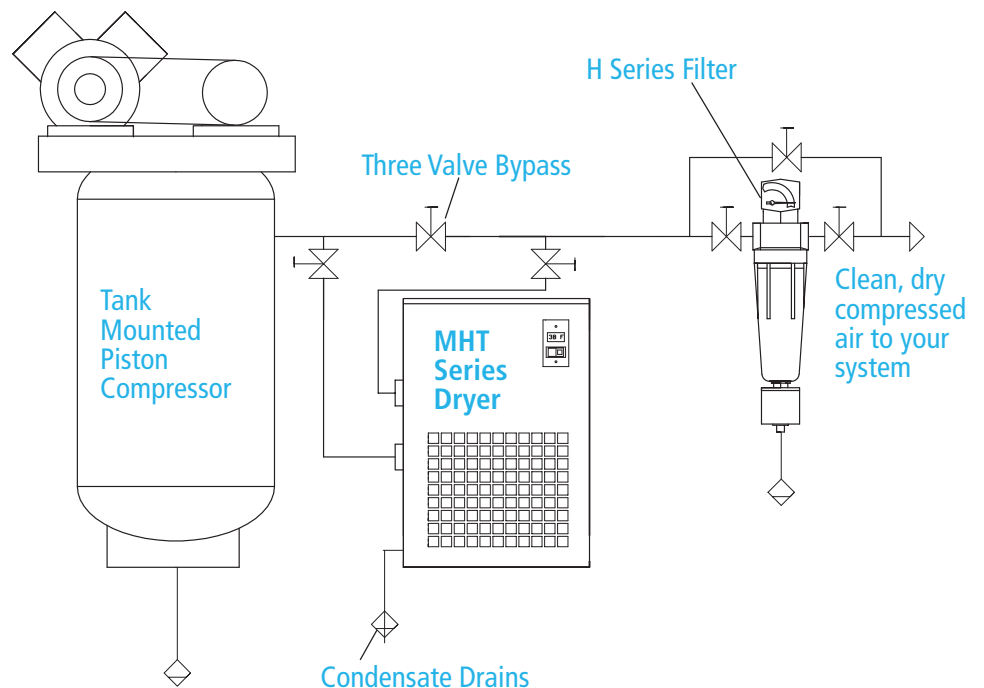
Quality features for long life and reliability

- Dew point indicator
- On/off switch
- Dryer on light
- High temp light
- 6 Foot power cord & plug
- Air-cooled condenser with fan motor
- Fan cycling switch
- Hot gas bypass valve
- Refrigerant access ports
- R134a refrigerant
- Low pressure drops
- 2 Year warranty
- Made in USA

MHT Series High Inlet Temp Refrigerated Air Dryers

MHT dryers are designed to be used with tank mounted piston compressors that have no after coolers. MHT dryers are easy to install because there is no need for separate after coolers, separators or drains. MHT series dryers and the MACAIR compressed air filters will delivery clean, dry air to your compressed air system. This will eliminate downtime, extend the life of your pneumatic tools and equipment and increase your profits.

Recommended Installation



Selection Guide and Correction Factors

Typically to size a dryer for your needs, match the dryer to the HP of the compressor that the dryer is piped up to. If your application needs to be sized for conditions other than standard conditions listed you must apply the correction factors listed below.

Example

Actual conditions: 55 SCFM compressor capacity, 150 PSIG inlet air pressure, 150°F Inlet air temp, 90°F ambient air temp.

Using the corrections factors below determine the actual dryer needed for the actual operating condition as follows:

Comp SCFM x Inlet Press x Inlet Temp x Ambient x Dew point = Actual SCFM

55 SCFM x 1.00 x 1.05 x 1.03 = 58 SCFM

For this application the MHT60-1 dryer would be the correct choice.

INLET AIR PRESSURE	100	125	150	175
CORRECTION FACTORS	.85	.90	1.00	1.10

INLET AIR TEMPERATURE	100	125	150	180	200
CORRECTION FACTORS	1.25	1.10	1.05	1.00	0.79

AMBIENT AIR TEMPERATURE	80	90	100	110	120
CORRECTION FACTORS	1.16	1.03	1.00	0.90	0.85

Specifications and Dimensions

MODEL	CAPACITY SCFM	IN/OUT SIZE NPT	REF COMP HP	DIMENSIONS			SHIP WEIGHT LBS	REC FILTER MODEL	USE WITH AIR COMP HP
				W	D	H			
MHT25	25	3/4	1/4	13	21	20	67	H40C	5
MHT40	40	1	1/3	18	26	26	180	H60C	10
MHT60	60	1	1/2	18	26	26	195	H100C	15
MHT75	75	1 1/2	3/4	18	26	26	205	H100C	20
MHT100	100	1 1/2	3/4	18	26	26	210	H250C	25
MHT130	130	2	1	23	33	32	250	H250C	30
MHT200	200	2	1 1/2	22	33	32	310	H250C	40

Notes

- Capacity is based on CAGI Standard No. ADF100. Inlet Temp 180 F, Inlet Pressure 150 psig Ambient Temp 100 F at 38 F PDP.
- Kw is based on dryer operating at full power and 60 Hz service.
- Dryers maximum operating pressure is 232 psig for higher pressures consult factory.
- Maximum inlet temp is 200 F.
- Available voltages: MHT25 thru MHT100 is only available in 115-1-60. MHT130 is only available in 230-1-60.
- CAF series filters are optional and are not included in the price of the dryer.



All dryers are handcrafted by dedicated skilled craftsman in Walled Lake, MI USA.

All components are sourced from only the best North American suppliers.



**4123 Pioneer Drive
Walled Lake, MI 48390**

248-624-6300

248-624-0622 FAX

sales@macair1.com

www.macair1.com

MHT Series Long-lasting Peace of Mind

When a product is truly built to exacting standards of quality and durability, the manufacturer's confidence is reflected in its warranty. MACAIR refrigerated air dryers offer one of the best warranties in the business. The MHT series refrigerated air dryers manufactured by MACAIR are warranted to the original buyer to be free from defects for a period of 24 months from the date of shipment from the factory.

5 Year extended warranty

When the dryer is ordered with a matching H Series filter the warranty on the aluminum module compressed air heat exchanger that includes the air to air & air to refrigerant heat exchangers and the moisture separator is extended an additional 3 years for a total of 5 years from the date of shipment from the factory. (The last 3 years are materials only)

Distributed by: