

FARRGOON

Refrigeration
Compressed
Air Dryer

THL / THW series

Improve your productivity with dry and clean compressed air

Ambient air suctioned by the compressors contains water vapor, and with the pressure and temperature effects, returns to the liquid phase inside the pneumatic system, becoming a harmful contamination for the compressed air. After coolers don't maintain the compressed air system dry, because they discharge the compressed air 15°C up the ambient temperature and being saturated will continue to condense the water vapor due to the temperature decrease in the piping. To remove the water and to obtain a compressed air dry in distribution line and applications, it's necessary to install a compressed air dryer able to provide a high quality air for long life and adequate operation of machines and pneumatic tools.

High Quality in Your Pneumatic Circuit

Air x Air heat exchanger

With large heat exchange surface, provides high temperature decrease in inlet compressed air at the evaporator, reducing at the minimum the frigorific system operation, with maximum energy economy

Turbo Cooler

Designed exclusively for compressed air dehumidification, simultaneously cool and centrifuges the condensate volumes without centrifugal separators assistance



Frigorific System

Designed for continuous operation, guarantee a permanent cold surface for dehumidification, allowing 0-100% compressed air flow variation without stop your operation

Demister Filter

In stainless steel and filtration bed of 6" length mounted strategically where the compressed air reaches the lowest temperature during the cold process, filter by coalescence process the suspended water vapor that the centrifugal separators don't have conditions to retain

THL/THW series: the best compressed air dryer solution

The Fargon's refrigeration air dryer is compact, with high efficiency, simply to install, economic, safety and concentrates all the technology developed in more than 35 years of compressed air treatment activity. These qualities associated to the spare parts supplying guarantee and the permanent technical assistance, confer to our dryer the preference of the best industrial companies.

Control systems and drains

- ✓ Electronic Multiple Temperature Panel (THL-3200 model and higher)
- ✓ Micro processed panel for all models (optional)
- ✓ Electronic Panel (THL-1000 to THL-2800 models)
- ✓ On-Off Panel (THL-0050 to THL-0900 models)
- ✓ Automatic ball drain $\frac{3}{4}$ " connection with manual discharge valve
- ✓ Automatic ball drain $\frac{1}{2}$ " connection with manual discharge valve
- ✓ Electronic drain with protection filter and blockade valve

- Easy access to all parts and components
- Acoustic closing panels in all models
- Isolated and thermally regulated heat exchangers, reducing the loss at minimum values
- Multiple point refrigerant injection, guarantying maximum evaporator efficiency
- Total visualization of the operation conditions

Refrigeration compressed air dryer

Models and features

Model	Flow rate at 7 bar pressure and 38°C temperature PO = +3°C		Inlet / outlet connections Air	Inlet / outlet connections Water	Dimensions / weight (mm / kg)				Electric Power
	Scfm	Nm³/h	R- thread	R-thread	Width	Length	Height	Weight	KW
			F-flange						
THL-0050	20	34	1/2" R	-	480	400	480	36	0,35
THL-0090	32	54	3/4" R	-	480	400	480	47	0,41
THL-0120	42	71	3/4" R	-	480	400	480	50	0,48
THL-0150	55	94	3/4" R	-	580	460	580	60	0,53
THL-0200	76	129	3/4" R	-	580	460	580	65	0,62
THL -0300	106	180	3/4" R	-	580	460	580	68	0,75
THL -0400	135	230	1.1/4" R	-	750	580	760	93	0,80
THL -0500	170	289	1.1/4" R	-	750	580	760	105	0,86
THL -0600	225	383	1.1/2" R	-	750	580	760	118	1,10
THL -0700	280	476	2" R	-	750	580	760	190	1,40
THL -0900	310	527	2" R	-	1200	550	1160	205	1,60
THL -1000	365	621	2" R	-	1200	550	1160	215	1,80
THL -1200	475	808	2" R	-	1200	550	1160	230	2,10
THL -1500	570	969	2" R	-	1200	550	1160	255	3,10
THL -1600	610	1037	3" F	-	1500	640	1326	310	3,30
THL -2000	720	1224	3" F	-	1500	640	1326	335	3,90
THL -2400	975	1658	3" F	-	1500	640	1326	350	4,70
THL -2800	1125	1913	3" F	-	1500	640	1326	450	5,20
THL -3200	1250	2125	4" F	-	1890	960	1576	570	5,80
THL -3800	1450	2465	4" F	-	1890	960	1576	590	7,15
THL -4800	1690	2873	4" F	-	1890	960	1576	650	8,50
THL -5000	2110	3587	6" F	-	1890	960	1576	750	10,20
THW- 6500	2320	3944	6" F	2" R	2400	960	1776	870	10,60
THW- 7200	2640	4488	6" F	2" R	2400	960	1776	915	11,80
THW- 8600	3390	5763	6" F	2" R	2400	960	1776	1050	14,80
THW- 9000	3810	6477	6" F	2" R	2400	960	1776	1130	17,20
THW -11000	4230	7191	6" F	2" R	2400	960	1776	1210	19,60
THW -12000	5080	8636	6" F	2" R	2400	960	1776	1290	21,50
THW -14000	5930	10081	6" F	2" R	2400	960	1776	1340	23,50
THW -17500	6330	10761	8" F	2" R	2920	1420	1675	2400	26,70
THW -20000	7550	12835	8" F	2" R	3270	1420	1675	2815	31,40
THW -21000	8230	13991	8" F	2" R	3470	1620	1780	2980	36,20
THW -23000	10400	17680	8" F	2" R	3980	1620	1780	3190	45,00

Obs:

- The flow rate above was calculated for the following conditions: operation pressure 7 bar / inlet temperature 38°C / ambient temperature 38°C. For others conditions use the correction table below
- The specifications above can be changed without previous communication

FÓRMULA: Table flow rate = Q X F1 factor X F2 factor X F3 factor

Q	Compressed air flow to be treated (Nm³/h or scfm)							
F1	Operation pressure (bar)	4	5	6	7	8	9	10
	Correction factor for operation pressure	1,16	1,09	1,04	1	0,98	0,96	0,95
F2	Compressed air inlet temperature (°C)	35	38	45	50	55	60	
	Correction factor for inlet temperature	0,89	1	1,35	1,55	1,85	2,20	
F3	Ambient temperature in the dryer room (°C)	35	38	45				
	Correction factor for ambient temperature	0,97	1	1,15				
Table flow rate = Q x F1 x F2 x F3								
Selected dryer model								

Fargon develops, designs and manufactures compressed air dryers according to the last rules and legislations, always respecting our environment. All the equipments are tested individually and receive an individual approval certificate, guarantying high performance and spare parts / technical service supplying at any time through a self technical team prepared for developing and to offer support to our products.

Then, be sure that purchasing our products, will be more than a supplying; will be the promise of the high quality of your compressed air dryer

FARGON®

AIR TREATMENT SINCE 1963

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