REFRIGERATED AIR DRYER & PIPELINE AIR FILTER



AIRHORSE REFRIGERATED AIR DRYER

Working Principle: The dryer is divided into three system: heat exchange, refrigeration and electric control system. Compressed air enters the air-air or air-water pre-cooler for removing heat content, then it enters the air or air heat exchanger and being cooled down to a lower temperature. After it enters the evaporator, the air to refrigerant heat reduce the air temperature down to 2-50℃ (dew point temp.), the moisture will be condensed into liquid, which will be separated by separator and be drained off by the solenoid drain valve. In the mean time, low temperature air pass throught the air to air heat exchanger, then goes to application after reaching designed temperature.

REFRIGERATED AIR DRYER TECHNICAL PARAMETER LIST

MODEL		AH-7.5SG	AH-10SG	AH-15SG	AH-20SG	AH-30SG	AH-50G	AH-60G	AH-75G	AH-100G	AH-120G	AH-150GF	AH-200GF	AH-250GF	AH-300GF	AH-400GF
Ambient temperature		≤35℃														
Air inlet temperature		≤60℃														
Cooling mode		Air cooling														
Air flow	(m³/min)	1.0	1.5	2.0	2.5	3.8	6.5	7.5	10.5	13.8	16.0	20.0	28.0	30.0	35.0	45.0
Compressor power	(KW)	0.32	0.43	0.51	0.73	0.92	1.38	1.38	1.78	2.57	2.57	2.94	4.4	4.8	5.5	7.35
Air inlet pressure	(MPa)	0.4-1.0														
Pressure loss	(MPa)	≤0.02														
Dew point	(℃)	2-5														
Max. pressure		13KG														
Pipe diameter		R1"			R1½"							R3"		PN1.0DN80	PN1.0DN100	
Electricity	(V/ph/Hz)	220/1/50										380/3/50				
Size (mm)	L	640	640	700	730	760	900	1020	1200	1200	1200	1400	1400	1580	1730	1980
	W	380	380	390	420	450	500	610	600	600	600	730	730	900	995	995
	H	710	710	730	760	970	1120	990	1120	1270	1270	1350	1350	1760	1840	2025
Net weight	(kg)	40	40	50	60	80	110	123	175	202	225	315	421	508	633	860

AIRHORSE PIPELINE AIR FILTER

Function: The pipeline filter can filter out impurities such as dirt, oil, water, etc.Through the three-stage precision filtration of compressed air filter A, B, C, from coarse to fine, it can effectively remove 99.9% of impurities.

Grade A filter	Filteration impurities 3 micron, oil filtering 5PPM
Grade B filter	Filteration impurities 1 micron, oil filtering 0.5PPM
Grade C filter	Filteration impurities 0.01 micron, oil filtering 0.001PPM

PIPELINE AIR FILTER TECHNICAL PARAMETER LIST

MODEL	AH-007	AH-015	AH-024	AH-035	AH-060	AH-090	AH-120	AH-150	AH-240	AH-300	AH-360
Air flow (m³/min)	1.0	1.5	2.4	3.5	6.0	9.0	12.0	15.0	24.0	30.0	36.0
Connecting size	G¾" ~ 1"	G¾" ~ 1"	G1" ~ 1½"	G1" ~ 1½"	G1" ~ 1½"	G2" ~ 2½"	G2" ~ 2½"	G2" ~ 2½"	PN16DN110	PN16DN110	PN16DN150
Max. pressure	16bar	16bar	16bar	16bar	16bar	16bar	16bar	16bar	12bar	12bar	12bar

ONE-STOP SHOPPING, A COMPLETE SET OF SERVICE



Designing reasonable and economical compressor stations for customers and providing clean compressed air; providing pre-sale consultation, complete machine sales, on-site maintenance, and spare parts supply with high quality and timely service.