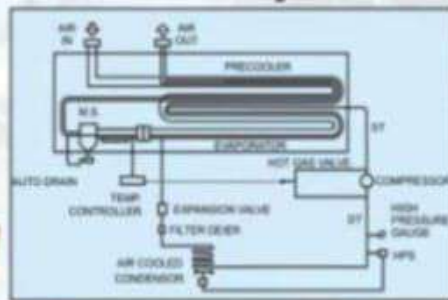


ZENITH REFRIGERATION COMPRESSED AIR DRYERS



Schematic Diagram



- Compact design
- Low pressure drop
- Consistent dew point
- High quality finishing
- Power saving
- More reliability
- Non-cyclic system

INTRODUCTION

The ZENITH has been providing solutions to compressed heat air problems for more than 20 years.

It performs as a precooler and evaporator our design maximizes exchanger efficiency by using copper tubes in a coiled tube-in-tube arrangement tube sizes are carefully chosen so that fluid velocities are maintained through the tubes. This promotes turbulence break up boundary and maximizes the heat transfer rate with minimum pressure drop.

To further increase heat transfer efficiency, a counter flow pattern is used that achieves the maximum temperature difference in addition, exchanger are fully encapsulated by puf insulation to prevent the loss of cooling effect.

SALIENT FEATURES

- Hot gas by pass circuit for partial load
- Fullcopper exchanger
- Non fouling exchanger
- Maintains constant pressure/Temperature in the evaporator
- Control Systems Electronic controller
- High Efficiency
- Compressor safety through HP/LP cut out switches
- Automatic drain valves
- Voltage range 180 to 240V for 1 ϕ & 380 -450V for 3 ϕ
- Refrigerators • R 134a • R22 • R404A • R407C

TECHNICAL SPECIFICATION :

Model	Flowrate mm ³ /H	CFM	PPL Size in mm	Power Kw	Drain Type	Weight in Kg.
ZRD 1003	4068	2392	100 (G4")	7.2	2	770
ZRD 1030	2304	1356	80 (G3")	4.7	2	525
ZRD 2020	864	508	50 (G2")	1.6	1	195
ZRD 3010	432	254	40 (G1½")	1.0	1	120
ZRD 4000	270	159	25 (G1")	1.0	1	75
ZRD 5080	155	91	20 (G¾")	0.60	1	55
ZRD 6070	108	63	15 (G½")	0.22	1	30

DRAIN TYPE : TIMED DRAIN, DIAPHRAGM VALVE
 PRESSURE DEW POINT : +3°C
 WORKING PRESSURE : 16*BAR (232 PSI)-
 INLET AIR TEMP : -60°C
 AMBIENT TEMP : -50-C

* All Mfrs, name, numbers, logs, symbols & description, parts no., photographs are used for reference purposes only
 * Dimension & Size can be change due to constant upgradation of products.