





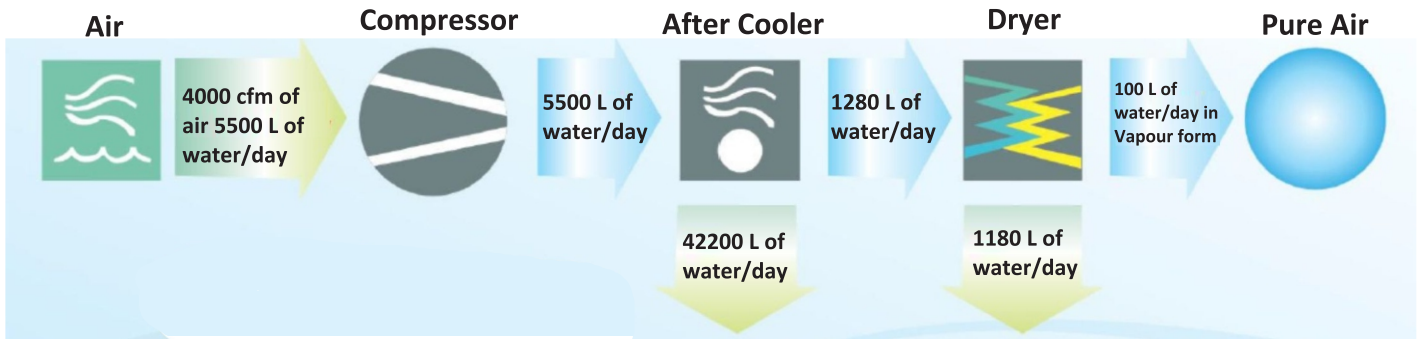


PRODUCT FEATURES

<h3>Heat Exchanger</h3> <ul style="list-style-type: none"> • Our evaporator is a CO-AXIAL Heat Exchanger. • It Performs as a Pre-cooler and Evaporator • Our design maximizes exchanger efficiency by using Copper tubes in a coiled TUBE-IN-TUBE arrangement. • Heat exchangers are fully encapsulated by PUF insulation to prevent the loss of cooling effect. 	<h3>Refrigeration Compressor</h3> <ul style="list-style-type: none"> • Rugged & Reliable hermetically sealed Reciprocating / Scroll compressor • Suitable for eco friendly gases • Less noise level • Low power consumption • Better COP 
<h3>Thermostatic Expansion Device</h3> <ul style="list-style-type: none"> • Customized selection according to cooling load and operation condition • Ensures constant dew point on varying load conditions • Sensible to suction pressure • Sensible to both suction pressure and temperature 	<h3>Temperature Controller</h3> <ul style="list-style-type: none"> • Dedicated Programmed micro controller, integrated with temperature controllers and sensors to indicate the dew point, inlet & condensing temperature with following alarms • On delay time to protect the compressor due to sudden failure 
<h3>Water Cooled Condenser</h3> <ul style="list-style-type: none"> • Aluminum plate finned cross flow Heat exchanger Optimized fin density considering Heat transfer and fan power. • Spigot construction to reduce pressure across condenser and hence reduced compressor power 	<h3>Hot Gas Bypass Valve</h3> <ul style="list-style-type: none"> • It is fitted in between the compressor discharge and the evaporator. • Evaporator temperature drops below 5C • HGV feeds the hot gas from the compressor outlet to the evaporator • Optional to be provided manually and automatically 

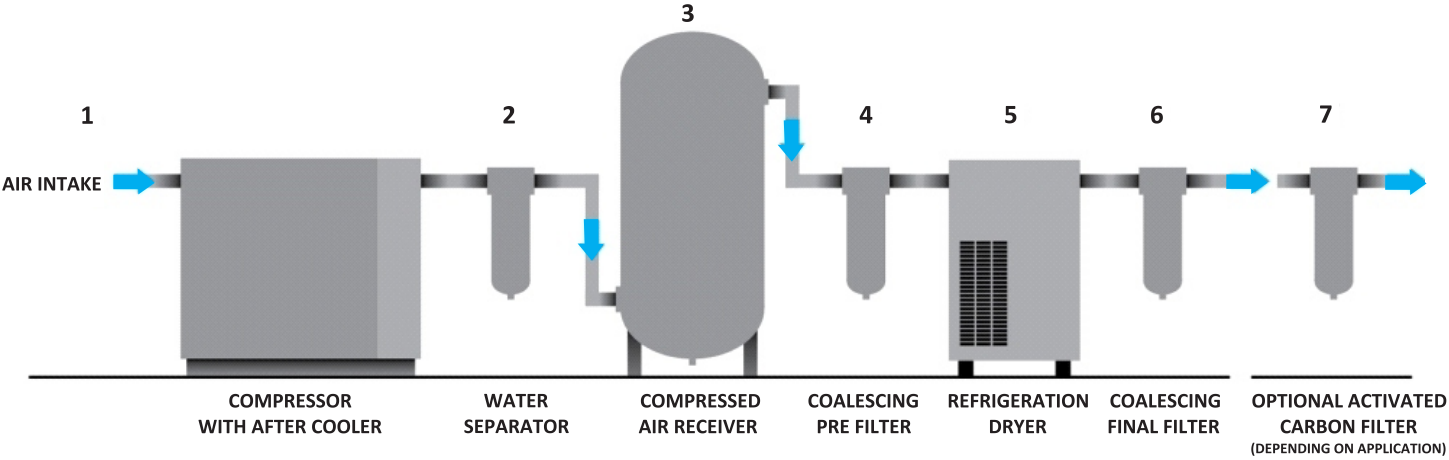
How moisture is removed from compressed air?



1180 liters of water/day is thrown additionally to the compressed air network if not dried by a Refrigerant Dryer; this may result in damaged Pneumatic Equipment and Contaminated End Products!

TECHNICAL SPECIFICATION

MODEL	CFM	CONNECTION BSPT	L x w x H	POWER SUPPLY	KG
KD10	10	1/4"	300X300X350	230/1/50	25
KD15	15	1/4"	400X400X560	230/1/50	36
KD20	20	3/4"	400X400X560	230/1/50	38
KD40	40	3/4"	400X400X560	230/1/50	40
KD60	60	3/4"	550X550X700	230/1/50	50
KD80	80	1"	550X550X700	230/1/50	65
KD100	100	1"	550X550X700	230/1/50	70
KD125	125	1"	550X550X700	230/1/50	80
KD150	150	1 1/2"	650X650X925	230/1/50	90
KD200	200	1 1/2"	650X650X925	230/1/50	100
KD250	250	1 1/2"	650X650X925	230/1/50	110
KD300	300	2"	800X800X1350	230/1/50	140
KD400	400	2"	800X800X1350	230/1/50	160
KD500	500	2"	800X800X1350	230/1/50	190
KD600	600	2"	800X800X1350	230/1/50	200



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