

# DryzaBlast

## Compressed Air Treatment

**alpha-blast**

profit through productivity

Moisture and oil in the compressed air used for blasting can cause many problems. Wet compressed air will cause clogging of the abrasive in the blasting pot and result in the pot having to be cleaned out. When using steel abrasives this is a major problem as the steel grit particles can rust together and form a solid block of steel.

Wet air also leads to contamination of the freshly blasted work surface. The moist air will create flash rusting in a very short time and lead to rejected surface preparation.

These productivity and quality issues can be easily reduced or eliminated by fitting an alpha-blast DryzaBlast Compressed Air Treatment system to the compressed air source prior to the blasting pot.

The DryzaBlast system will produce clean, cool and dry air suitable for blasting with minimal pressure loss through the system. A variety of driers and filters are available depending on the application and amount of moisture needing to be removed.

### **DryzaBlast Compressed Air Drier**

utilises a three stage action to remove moisture from the air. Firstly the compressed air is passed through a pre-separator to remove any water droplets. The air is then cooled through a radiator fitted with pneumatically driven fan. Cooled compressed air cannot retain as much moisture in suspension as hot air. As the air temperature reduces the moisture vapour in the air forms liquid droplets and drops out of suspension. The compressed air and moisture are then fed through a large moisture separator and passed through a stainless steel wire wool filter media. This media removes the liquid moisture from the air flow. Removed moisture drops to the bottom of the separator and is manually drained.



## DryzaBlast Moisture Separator

is suitable as a basic last line of defence moisture trap. Compressed air enters the lower port and passes through a stainless steel wire wool filter media. This media entraps suspended moisture particles and removes them from the air flow. Removed moisture drops to the bottom of the separator and is manually drained.



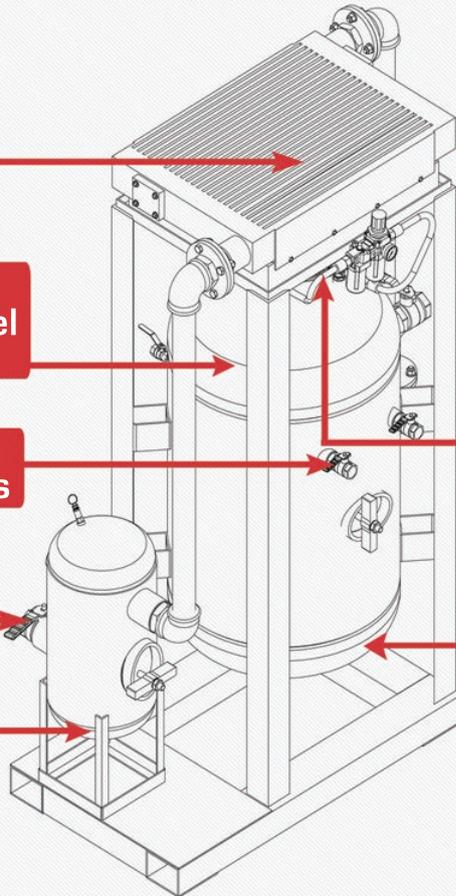
Radiator

Air receiver tank  
c/w stainless steel  
wire wool

Dried compressed  
air multiple outlets

Compressed  
air inlet

Moisture  
drain



Compressed air  
driven fan

Moisture  
drain

## Dryza Blast Compressed Air Treatment Technical Data

part number	model	capacity	design pressure	test pressure	air inlet	air outlet	height mm	width mm	depth mm
201092	Moisture Separator DZ400	400cfm (679m3/hr)	1,100 KPA	1,500 KPA	1 x 2"	1 x 2", 1 x 1.25"	700	258	258
201093	Moisture Separator DZ800	800cfm (1,359m3/hr)	1,100 KPA	1,500 KPA	1 x 3"	1 x 3", 1 x 1.25"	700	358	358
201094	Moisture Separator DZ1200	1,200cfm (2,038m3/hr)	1,100 KPA	1,500 KPA	1 x 3"	2 x 3", 2 x 1"	985	358	358
201095	Air Drier DZ400	400cfm (679m3/hr)	1,100 KPA	1,500 KPA	1 x 2"	1 x 2", 1 x 1.25"	1828	725	1295
201096	Air Drier DZ800	800cfm (1,359m3/hr)	1,100 KPA	1,500 KPA	1 x 3"	1 x 3", 1 x 1.25"	2254	800	1715
201097	Air Drier DZ1200	1,200cfm (2,038m3/hr)	1,100 KPA	1,500 KPA	1 x 3"	2 x 3", 2 x 1"	2254	800	1715

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