

DELTA MOISTURE SEPARATORS



Innovations in Purification

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DELTA Moisture Separators are used to achieve moisture free air in Compressed Air / Gas applications. Removal of water from compressed air is imperative for the successful operation of pneumatic tools, instruments and machinery. Atmospheric air always contains water vapour as measured in its Relative Humidity factor. As the air is compressed the portion of water vapour in Air increases and excess water vapour converts to water droplets.

DELTA Moisture Separators convert water droplets into bulk water by their unique coalescing action. Once bulk water is formed, it is pulled downward due to gravitational force. Water is drained off either with a manual valve or with automatic drain.

SALIENT FEATURES:

- Separator Vessels designed as per latest ASME Code
- 99.9% removal of water from air
- Fitted with DELTA Coalescing Element
- Low Operating Pressure Drop
- No replacement parts
- No moving parts
- Low Initial Cost & No Maint. Cost
- Applications include Textiles, Steel Industry, Medical Equipments, Nuclear Power Plants, Cement Plants etc



4" NB x 150 LB MOISTURE SEPARATORS



1/2" BSP THREADED MOISTURE SEPARATOR



SS304 MODEL WITH AUTO DRAIN



CS MODEL WITH AUTO DRAIN

DELTA MOISTURE SEPARATOR MODELS

MODEL	LINE SIZE (NB) ¹	END CONNECTION ²	FLOW RATE (NM ³ /HOUR @7 Bar) ³	HOUSING MOC ⁴
DS-1	½"	BSP	130	Carbon Steel
DS-2	¾"	BSP	175	Carbon Steel
DS-3	1"	BSP	225	Carbon Steel
DS-4	1½"	BSP	500	Carbon Steel
DS-5	2"	BSP	700	Carbon Steel
DS-6	2½"	ASA 150	1000	Carbon Steel
DS-7	3"	ASA 150	1500	Carbon Steel
DS-8	3"	ASA 150	2000	Carbon Steel
DS-9	4"	ASA 150	2500	Carbon Steel
DS-10	4"	ASA 150	3000	Carbon Steel
DS-11	6"	ASA 150	3750	Carbon Steel
DS-12	6"	ASA 150	5500	Carbon Steel

1. Larger sizes available to serve higher air flow rates
2. NPT, ASA 300, ASA 600 Options also available for higher operating pressure
3. Max. Permissible Flow Rate Shown in NM³/Hour units at 7 Bar Op. Pressure
Contact us for permissible flow rate at operating pressure other than 7 Bar
4. Housing can be constructed in SS304 / SS316 (L) if required

MATERIAL OF CONSTRUCTION

1. **Separator Housing:** Carbon Steel, SS304 / SS316 (L) (Options)
2. **Separator Media:** SS304 / SS316 (L) (Options)
3. **Paint:** Epoxy Based Primer + Epoxy Final Shade (2 Coats)

APPLICATIONS

DELTA MOISTURE SEPARATORS are widely used in various applications including

- Downstream of Air Compressors to ensure Moisture Free Air
- Upstream of Air Dryers to reduce the electrical load on the Dryer
- In Steel Plants : Oxygen Generation Division, for Moisture Free Air
- Textiles: Air Jet Looms to ensure moisture free air
- Moisture Free Air in Pharmaceutical Plants
- Moisture Free Air for Painting and Powder Coating applications



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