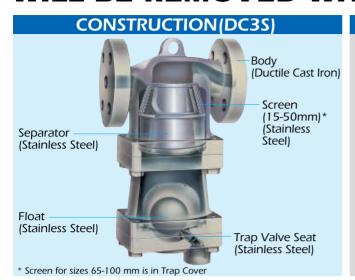


Cyclone Separators DC Series



CONDENSATE ENTRAINED IN STEAM AND AIR WILL BE REMOVED WITH 98% EFFICIENCY.



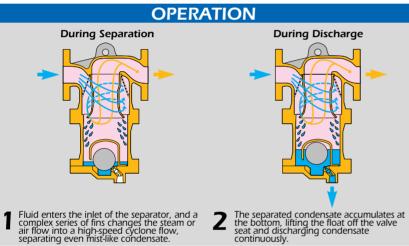
FEATURES AND BENEFITS

1. Cyclone-Effects Separator:

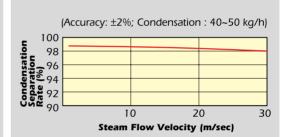
- Provides condensate separation efficiency as high as 98%.
- Improves productivity and product quality with dry, high-quality steam/air.

2. Free-Float Trap: (DC7 needs a separate trap)

- Continuously discharges condensate as it is separated.
- Provides a complete seal, even under no load conditions, with its precision ground spherical float and positive three-point seating.



FLOW VELOCITY AND EFFICIENCY



Separation rate (%) is given as: quantity of condensate discharged quantity of incoming condensate ×100

SPECIFICATIONS Max. Operating Max. Differential Max. Operating Body Orifice No. Model Туре Connection Sizes Pressure (MPaG) Pressure (MPa) Temperature (Built-in Trap) Material ΔPMX (Built-in Trap) **PMO** (°C) TMO 15, 20, 25 Screwed Cast Iron or Steam DC3S **Ductile Cast** 15, 20, 25, 32, 40, 220 10, 16, 21 1.0, 1.6, 2.1 1.0, 1.6, 2.1 Separator Flanaed Iron 50, 65, 80, 100 Trap DC5S Screwed 15, 20, 25 Bronze 16 1.6 1.6 220 15, 20, 25 Screwed Air DC3A 1.0 100 10 1.0 15, 20, 25, 32, 40, Cast Iron Separator Flanged 50, 65, 80, 100 Trap DC5A Screwed 15, 20, 25 **Bronze** 10 1.0 1.0 100 Screwed Steam/Air Socket Stainless DC7 2.5 300 15, 20, 25, 40, 50 Separator Welded Steel Flanged

PRESSURE SHELL DESIGN CONDITIONS (**NOT** OPERATING CONDITIONS):

Maximum Allowable Pressure (MPaG) PMA: 1.6 (DC3S-10, 16/DC3A/DC5A/DC5A), 2.1 (DC3S

Do not use for toxic, flammable or otherwise hazardous fluids.

Maximum Allowable Pressure (MPaG) PMA: 1.6 (DC3S-10, 16/DC3A/DC5S/DC5A), 2.1 (DC3S-21), 2.5 (DC7) Maximum Allowable Temperature (°C) TMA: 220 (DC3S/DC3A/DC5S/DC5A), 300 (DC7)

1 MPa = 10.197 kg/cm²



To avoid abnormal operation, accidents or serious injury, DO NOT use this product outside of the specification range. Local regulations may restrict the use of this product to below the conditions quoted.

TLV. INTERNATIONAL, INC.

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Kakogawa, Japan
is approved by LRGA Ltd. to ISO 9001/14001

Manufacturer

ISO 9001/ISO 14001

