TLV. CYCLONE SEPARATORS DC Series



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



The separated condensate accumu-

lates at the bottom, lifting the float

off the valve seat and discharging

condensate continuously.

25 50 75

Steam Flow Velocity (ft/s)

Separation rate (%) is given as: quantity of condensate discharged $\times 100$ quantity of incoming condensate

92 90

SPECIFICATIONS Max. Differential Maximum Maximum Pressure (psi) Δ PMX Connec-Bodv Operating Operating Model Type Sizes Material tion Pressure Temperature (psig) PMO (Built-in Trap) (°É) TMO Steam 1/2,3/4,1 Screwed Ductile Cast DC3S Separator 150, 300 150, 300 428 Iron Flanged 11/2, 2, 3, 4 Tràp Air Screwed $\frac{1}{2}, \frac{3}{4}, 1$ Cast Iron DC3A Separator 150 150 212 Ductile for 3" and 4 11/2, 2, 3, 4 Flanged Trap Steam/Air Ductile Cast DC3 Flanged 6 300 428 Separator Iron Steam/Air Separator Screwed 1/2, 3/4, 1, 11/2, 2 Stainless DC7 362 572 Steel Flanged 11/2, 2

LARGER SIZES

For larger sizes, carbon steel fabricated cyclone separators stamped to ASME code for unfired pressure vessels (ASME Code Section VIII, Div.1) are available in sizes up to 20" with maximum operating pressures up to 550 psig. See the



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DC-L Series SDS for details.

Full product details (sizes, pressures, capacities and materials) are included in the individual specification data sheets (SDS).

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

Fluid enters the inlet of the separator,

and a complex series of fins changes

speed cyclone flow, separating even

the steam or air flow into a high-

mist-like condensate.

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

DO NOT DISASSEMBLE OR REMOVE THIS PRODUCT WHILE IT IS UNDER PRESSURE. Allow internal pressure of this product to equal atmospheric pressure and its surface to cool to room temperature before disassembling or removing. Failure to do so could cause burns or other injury.

CORPOR

13901 South Lakes Drive. Charlotte. NC 28273-6790 Tel: 704-597-9070 Fax: 704-583-1610 E-mail: tlv@tlvengineering.com http://www.tlv.com For Technical Service 1-800 "TLV TRAP"





CAUTION