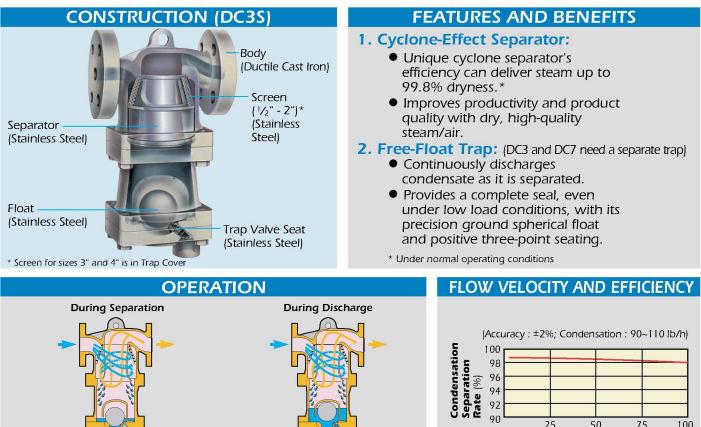
TLV. CYCLONE SEPARATORS DC Series



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.

Steam Flow Velocity (ft/s)

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

SPECIFICATIONS								
Model		Туре	Connec- tion	Sizes	Body Material	Maximum Operating Pressure (psig) PMO	Max. Differential Pressure (psi) ∆ PMX (Built-in Trap)	Maximum Operating Temperature (°F) TMO
	DC3S	Steam Separator	rator	Ductile Cast	150, 300	150, 300	428	
		Trap	Flanged	11/2, 2, 3, 4	Iron			
	DC3A	Air Separator Trap	Screwed	1/2, 3/4, 1	Cast Iron Ductile for 3" and 4"	150	150	212
			Flanged	11/2, 2, 3, 4				
	DC3	Steam/Air Separator	Flanged	6	Ductile Cast Iron	300		428
	DC7	Steam/Air Separator	Screwed	1/2, 3/4, 1, 11/2, 2	Stainless Steel	362	_	572
			Flanged	1 ¹ / ₂ , 2				
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

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CAUTION

Pamphlet A2800 Rev. 1/2017 Specifications subject to change without notice.

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 DC-L Series SDS for details.

