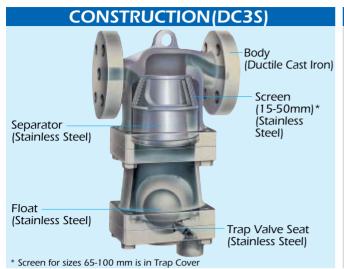


# Cyclone Separators DC Series



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



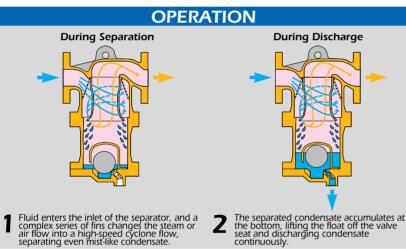
### FEATURES AND BENEFITS

### 1. Cyclone-Effects Separator:

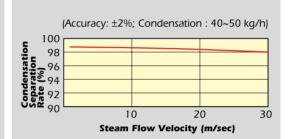
- Provides condensate separation efficiency as high as 98%.
- Improves productivity and product quality with dry, high-quality steam/air.

### 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 ×100 quantity of incoming condensate

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

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

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

Do not use for tox 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)

 $1 \text{ MPa} = 10.197 \text{ kg/cm}^2$ 



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.

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ISO 9001/ISO 14001

