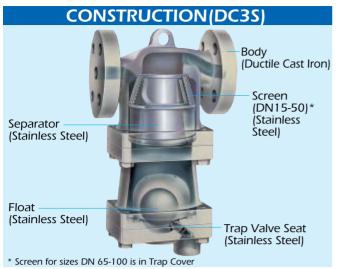


# Cyclone Separators DC Series



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



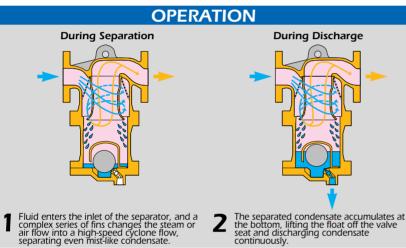
### FEATURES AND BENEFITS

### 1. Cyclone-Effects Separator:

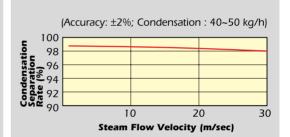
- Provides condensate separation efficiency as high as 98%.
- Improves productivity and product quality with dry, high-quality steam/air.

### 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

### **SPECIFICATIONS**

Model		Туре	Connection	Sizes	Body Material	Orifice No. (Built-in Trap)	Max. Operating Pressure (barg) PMO	Max. Differential Pressure (bar) ΔPMX (Built-in Trap)	Max. Operating Temperature(°C) TMO
		Steam Separator Trap	Screwed	½″, ¾″, 1″	Ductile Cast Iron	21	21	21	220
	DC3S		Flanged	DN 15, 20, 25, 40, 50, 65, 80, 100					
		Air Separator Trap	Screwed	½″, ¾″, 1″	Cast Iron	10	10	10	100
	DC3A		Flanged	DN 15, 20, 25, 40, 50, 65, 80, 100	Ductile Cast Iron				
	D.C.7	Steam/Air Separator	Screwed	½", ¾", 1", 1½", 2"	Stainless Steel	_	25	_	300
	DC7		Socket Welded	DN 15, 20, 25,					
			Flanged	40, 50					

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

Do not use for Maximum Allowable Pressure (barg) PMA: 13 (DC3A-Screwed), 21 (DC3A-Flanged, DC3S), 25 (DC7) Maximum Allowable Temperature (°C) TMA: 200 (DC3A-Screwed), 220 (DC3A-Flanged, DC3S), 300 (DC7) Do not use for toxic, flammable or otherwise hazardous fluids. 1 bar = 0.1 MPa



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. EURO ENGINEERING UK LTD.

Star Lodge, Montpellier Drive, Cheltenham, Gloucestershire GL50 1TY, U.K. Tel: [44]-(0)1242-227223 Fax: [44]-(0)1242-223077



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