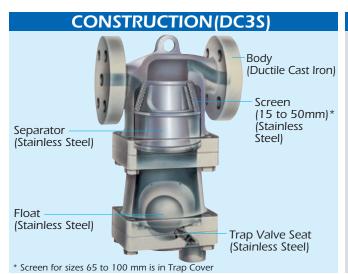


Cyclone Separators DC Series



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



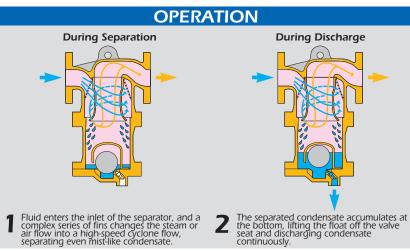
FEATURES AND BENEFITS

1. Cyclone-Effects Separator:

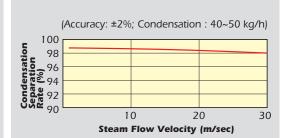
- Provides condensate separation efficiency as high as 98%.
- Improves productivity and product quality with dry, high-quality steam/air.

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	Type	Connection	Sizes	Body	Orifice N		

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
	DC3S	Steam Separator Trap	Screwed	15, 20, 25	Cast Iron or Ductile Cast Iron		1.0, 1.6, 2.1	1.0, 1.6, 2.1	220
			Flanged	15, 20, 25, 40, 50, 65, 80, 100					
	DC5S		Screwed	15, 20, 25	Bronze	16	1.6	1.6	220
	DC3A	Air Separator Trap	Screwed	15, 20, 25	Cast Iron	10	1.0	1.0	100
			Flanged	15, 20, 25, 40, 50, 65, 80, 100					
	DC5A		Screwed	15, 20, 25	Bronze	10	1.0	1.0	100
	DC7	Steam/Air Separator	Screwed			-	2.5	-	300
			Socket Welded	15, 20, 25, 40, 50	Stainless Steel				
			Flanged						

PRESSURE SHELL DESIGN CONDITIONS (NOT OPERATING CONDITIONS):

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.

TLM INTERNATIONAL, INC.

881 Nagasuna, Noguchi, Kakogawa, Hyogo 675-8511, JAPAN Tel: [81]-(0)79-427-1818 Fax: [81]-(0)79-425-1167 E-mail: tlv-japan@tlv.co.jp https://www.tlv.com

CO., LTD. Kakogawa, Japan is approved by LRQA Ltd. to ISO 9001/14001

Manufacturer

