

WATER SEPARATORS (DCS SERIES)

HOUSINGS SPECIFICATIONS

Description	Housings designed for application in non-aggressive compressed air systems.
Product Compliance To	European Pressure Equipment Directives, PED 2014/68/EU
Housing Material	Cast aluminium
Maximum Operating Pressure	16 bar (232 psi) for DCS02 to DCS24 and 12 bar (174 psi) for DCS30
Protective Coating	Chromatisation
External Coating	Powder coating
Inlet and Outlet Port	BSP Threaded (NPT available upon request)
Mechanism Securing Method	Tie-Rod design

STANDARD AND OPTIONAL ACCESSORIES

Automatic Drain (Mechanical)	Mechanical float auto-drains (12 bar and 16 bar) - Standard
Automatic Drain (Electronic)	Electronic sensor and timer auto-drains (12 bar and 16 bar) – Optional

STANDARD FACTORY TEST

For Housing	Hydrostatic Test with water pressure at 1.5 times max operating pressure
For Housing	Leakage Test with air pressure at about 7 bar (101.5 psi)

WATER SEPARATOR MODEL

Model	Type	Conn.	16 Bar Separator		Approx. Dimensions, mm				Mechanism Set
			m3/min	cfm	A	B	C	D	
DCS02*	Threaded	1/4"	0.60	21	104	193.5	96.4	55	MST-DCS02-PP
DCS04*	Threaded	3/8"	1.25	44	104	216.5	96.4	65	MST-DCS04-PP
DCS06*	Threaded	1/2"	2.84	100	104	216.5	96.4	75	MST-DCS06-PP
DCS08*	Threaded	3/4"	4.52	159	104	266.5	96.4	125	MST-DCS08-PP
DCS10*	Threaded	1"	7.02	247	148	276.8	137.7	110	MST-DCS10-PP
DCS12*	Threaded	1 1/2"	18.50	653	148	346.8	137.7	180	MST-DCS12-PP
DCS20*	Threaded	2"	21.08	744	197	603.6	190.4	330	MST-DCS20-PP
DCS24*	Threaded	2 1/2"	35.38	1249	197	803.6	190.4	530	MST-DCS24-PP
			12 Bar Separator						
DCS30*	Threaded	3"	42.5	1500	255	752.2	207.8	450	MST-DCS30-ALU

Note: Replace asterisk with relevant product code. Contact us for higher capacity models.

FEATURES AND ADVANTAGES

Removes up to 99% bulk water
Very low maintenance cost
Simple and easy to install
Efficient automatic drain
Robust aluminium housing

Capacity Correction Factor For Various Operating Pressure

Pressure	1	2	3	4	5	6	7	8	9
Factor	0.25	0.37	0.5	0.65	0.75	0.88	1	1.13	1.25
Pressure	10	11	12	13	14	15	16		
Factor	1.38	1.5	1.63	1.75	1.88	2	2.13		

