

➤ DryMASTER

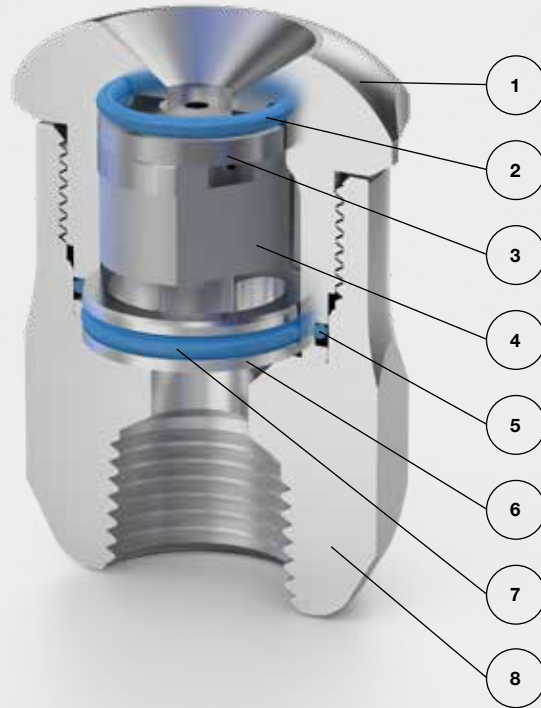
The new standard for most applications

Thanks to the modular design of Lechler's DryMASTER series, a suitable assembly can be found for almost any application. Every component has been specifically designed for its intended use. Supporting a wide operating range, the DryMASTER series offers end users a higher yield with superior quality longer lasting technology.

Technical data:

- Over 900 orifice disc and swirl chamber combinations
- Flow range: 10–12,000 l/h
- Operating pressure: max. 465 bar at 20 °C (BP 1,000 bar, calculated)
- Operating temperature: max. 250 °C
- Spray angles: 50°–110° typical
- Droplet size: 30 µm to 220 µm typical

Additional configurations are available. Please contact the office for operating parameters outside of our published figures. Pressure and temperature charts available to download on our website.



Options



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Accessories



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No.	Component	Material	Order No.	Variable	Description	
		All materials approved by FDA				
1	DryMASTER standard body	SS 316L	2DM.B00.1Y.00.00.0		The standard body for most applications	
2	O-ring for orifice disc	FDA FKM	095.015.79.12.22.0		Included in seal kit (item 12)	
3	DryMASTER orifice disc Ø 0.40–5.60 mm	WNC carbide	2DM.xxx.27.00.00.0	xxx	In the order number xxx marks the diameter. It ranges from 0.40 to 5.60 mm in 0.05 mm increments. Example: an orifice disc with a diameter of 4.55 mm would be 2DM.455.27.00.00.0 Other sizes available on request	
4	DryMASTER swirl chamber	WNC carbide	2DM.SCx.27.00.00.0	x	Swirl chamber size A to J for example, SCD	
5	O-ring for DryMASTER body	FDA FKM	095.015.79.12.23.0		Included in seal kit (item 12)	
6	DryMASTER retainer	SS 316L	2DM.R00.1Y.00.00.0		Retainer to keep orifice disc and swirl chamber in position	
7	O-ring for DryMASTER retainer	FDA FKM	095.015.79.10.12.0		Included in seal kit (item 12)	
8	DryMASTER threaded adaptor	1/4" BSPT	SS 318LN	2DM.A00.B2.CD		For spray drying lances with threaded connection
		3/8" BSPT	SS 318LN	2DM.A00.B2.CF		
		1/2" BSPT	SS 318LN	2DM.A00.B2.CH		
		3/4" BSPT	SS 318LN	2DM.A00.B2.CL		
		1/4" NPT	SS 318LN	2DM.A00.B2.BD		
		3/8" NPT	SS 318LN	2DM.A00.B2.BF		
		1/2" NPT	SS 318LN	2DM.A00.B2.BH		
3/4" NPT	SS 318LN	2DM.A00.B2.BL				
9	DryMASTER cone face body	SS 316L	2DM.B00.1Y.xx.x0.0	xx.x	Cone angle from 60° to 110° in 5° steps. E.g. 06.0 for 60°, 07.5 for 75° and 11.0 for 110°. Examples: 60°: 2DM.B00.1Y.06.00.0 105°: 2DM.B00.1Y.10.50.0	
10	DryMASTER 45° butt weld adaptor	1/4" SCH.40	SS 318LN	2DM.A45.B2.W1.44.0		Adaptor with 45°-angled welding inlet connection
		3/8" SCH.40	SS 318LN	2DM.A45.B2.W3.84.0		
		1/2" SCH.40	SS 318LN	2DM.A45.B2.W1.24.0		
		3/4" SCH.40	SS 318LN	2DM.A45.B2.W3.44.0		
		1/4" SCH.80	SS 318LN	2DM.A45.B2.W1.48.0		
		3/8" SCH.80	SS 318LN	2DM.A45.B2.W3.88.0		
		1/2" SCH.80	SS 318LN	2DM.A45.B2.W1.28.0		
11	DryMASTER butt weld adaptor	1/4" SCH.40	SS 318LN	2DM.A00.B2.W1.44.0		Adaptor with butt weld inlet connection
		3/8" SCH.40	SS 318LN	2DM.A00.B2.W3.84.0		
		1/2" SCH.40	SS 318LN	2DM.A00.B2.W1.24.0		
		3/4" SCH.40	SS 318LN	2DM.A00.B2.W3.44.0		
		1/4" SCH.80	SS 318LN	2DM.A00.B2.W1.48.0		
		3/8" SCH.80	SS 318LN	2DM.A00.B2.W3.88.0		
		1/2" SCH.80	SS 318LN	2DM.A00.B2.W1.28.0		
12	DryMASTER seal kit	FDA FKM and lubricant	02D.MSP.79.00.00.0		Seal kit, including 100 O-rings of each size (see 2, 5 and 7) and food grade grease	
13	Disassembly tool	Aluminum	02D.M90.40.00.00.0		For easy removal of the orifice disc, the swirl chamber as well as the retainer out of the nozzle body	