

ENGINEERING
YOUR SPRAY SOLUTION



WSV **WaterStop** Valve for SCALEMASTER Nozzles



WaterStop Valve

WSV Water Stop Valve – features and benefits

The problem

The use of low water pressure pre-fill function is a standard feature in a modern descaling system in order to eliminate hydraulic shock (water hammers) when initiating high pressure spraying through an open header.

However, the low pressure water continuously charged through the open descaling nozzles can cause undesired metallurgical effects due to the uncontrolled cooling especially when rolling critical plates (API-pipe or stainless steel grades) during a »Thermo Mechanical Control Process« (TMCP).

The solution

The installation of the new Lechler WSV Water Stop Valve for SCALEMASTER® descaling nozzles in front of every nozzle prevents a water flow through the nozzles below a water pressure of 10, respectively 5 bar.

The features

- The WSV is a check valve which includes the stabilizer
- Every WSV comes with a filter
- Material completely made from stainless steel
- Metallic sealing
- Piston hardened

The advantages and benefits

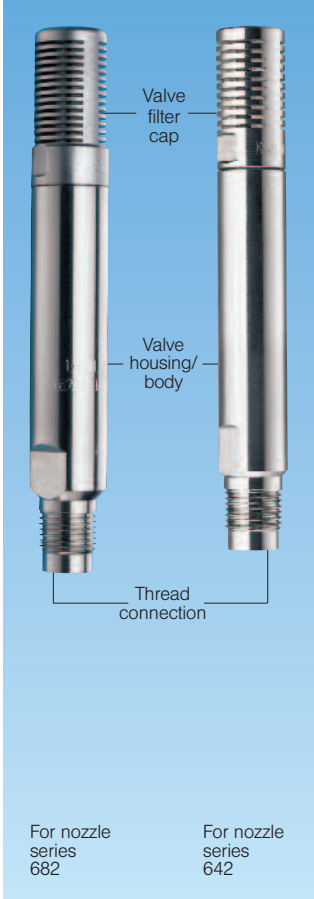
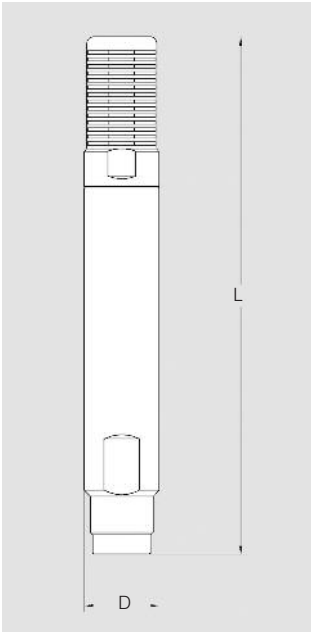
- No significant changes of nozzle spray characteristics (width, thickness, liquid distribution)
- No modifications of header required
- Available for nozzle series SCALEMASTER HP and MiniSCALEMASTER HP
- Very large internal free passages for clogging free operation
- Simple design, all four components easy to replace
- Field Test approved
- Long service life



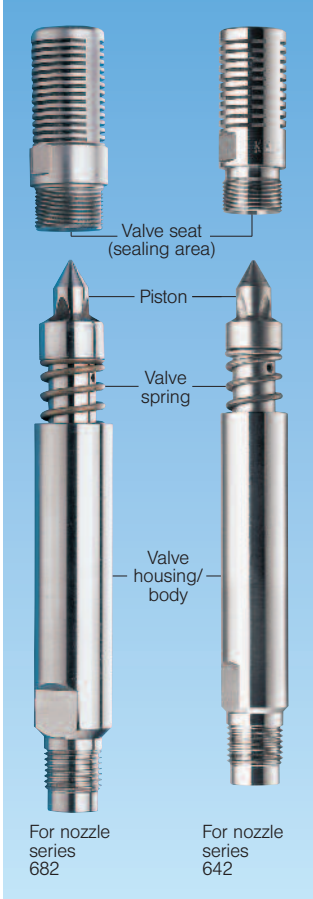
WSV Water Stop Valve

Technical Data

This page shows the components and basic technical data of the WSV Water Stop Valve. For further information please do not hesitate to contact us.



WSV Water Stop Valve



WSV Water Stop Valve, components

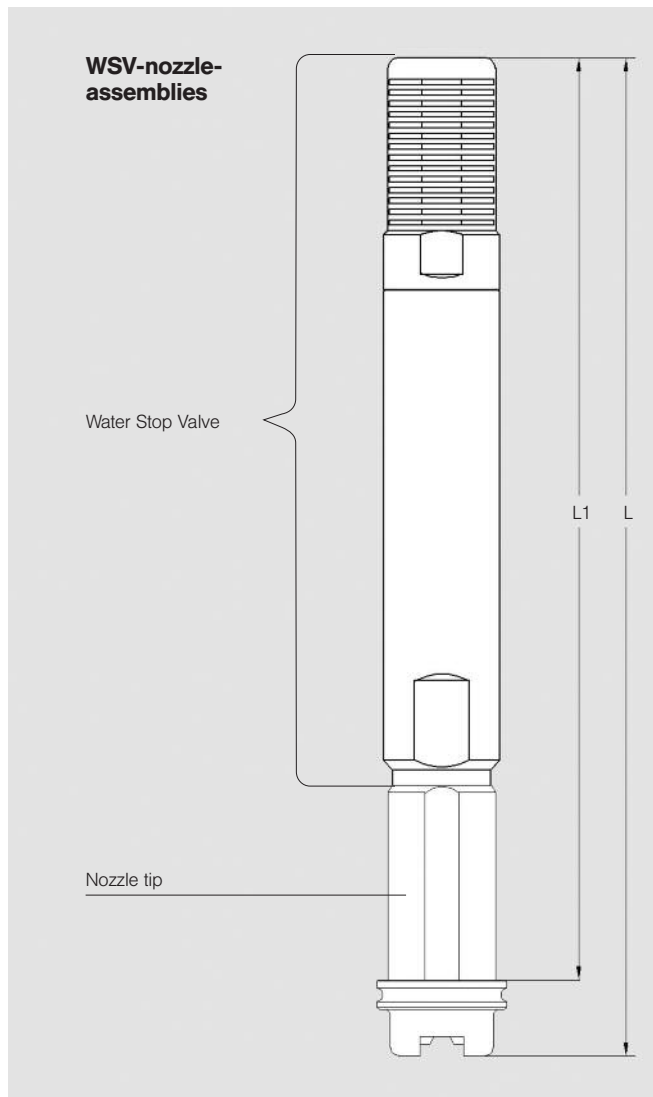


WSV Water Stop Valve, mounted with nozzle

Technical Data

For use in combination with nozzle series	Ordering number	Opening pressure [mm]	Closing pressure [bar]	Filter slit width [mm]	L [mm]	D [mm]	G	Weight [g]	Material
SCALEMASTER HP 682	068.220.1E.01.00.0	8	5	1	148	21,5	M16x1,5	242	Stainless steel
	068.220.1E.00.00.1	14	10	1	148	21,5	M16x1,5	242	Stainless steel
MiniSCALEMASTERHP 642	064.223.1E.01.00.0	8	5	1	140	18,8	M16x1,5	176	Stainless steel
	064.223.1E.00.00.0	14	10	1	140	18,8	M16x1,5	176	Stainless steel

WSV Water Stop Valve Assembly with SCALEMASTER nozzles



Nozzle series	WSV Ordering number	L [mm]	L1 [mm]
SCALEMASTER® HP 682	068.220.1E.01.00.0	185	171
	068.220.1E.00.00.1	185	171
MiniSCALEMASTER® HP 642	064.223.1E.01.00.0	177	163
	064.223.1E.00.00.0	177	163

Lechler GmbH · Precision Nozzles · Nozzle Systems

Paul-Lechler-Strasse 11 · 72544 Metzingen, Germany · Phone +49 71 23 962-0 · info@lechler.de · www.lechler.com

ASEAN: Lechler Spray Technology Sdn. Bhd. · 22, Jln. Astaka 4B/KU2 · Bdr. Bukit Raja · 41050 Klang · Malaysia · Phone +603 3359 1118 · info@lechler.com.my

Belgium: Lechler S.A./N.V. · Avenue Newton 4 · 1300 Wavre · Phone +32 10 225022 · info@lechler.be

China: Lechler Nozzle Systems (Changzhou) Co., Ltd. · No.99 Decheng Rd, Jintan, Changzhou, JS 213200, P.R.C · Phone +86 400-004-1879 · info@lechler.com.cn

Finland: Lechler Oy · Teknobulevardi 3-5 · 01530 Vantaa · Phone +358 207 856880 · info@lechler.fi

France: Lechler France SAS · Parc de la Haute Maison · 6, Allée Képler, Bâtiment C2 · 77420 Champs-sur-Marne · Phone +33 1 49882600 · info@lechler.fr

Great Britain: Lechler Ltd. · 1 Fell Street, Newhall · Sheffield, S9 2TP · Phone +44 114 2492020 · info@lechler.com

India: Lechler (India) Pvt. Ltd. · Plot B-2 · Main Road · Wagle Industrial Estate Thane · 400604 Maharashtra · Phone +91 22 40634444 · lechler@lechlerindia.com

Italy: Lechler Spray Technology S.r.l. · Via Don Dossetti, 2 · 20074 Carpiano (MI) · Phone +39 02 98859027 · info@lechleritalia.com

Spain: Lechler, S.A. · C / Isla de Hierro, 7 – Oficina 1.3 · 28703 San Sebastián de los Reyes (Madrid) · Phone +34 91 6586346 · info@lechler.es

Sweden: Lechler AB · Hävertgatan 29 · 254 42 Helsingborg · Phone +46 18 167030 · info@lechler.se

USA: Lechler Inc. · 445 Kautz Road · St. Charles, IL 60174 · Phone +1 630 3776611 · info@lechlerusa.com