

Product Information Injection Nozzle SAH

The right mixture works

The main task of injection nozzles in metering pumps for liquid chemicals is to mix in the corresponding chemical into the main flow (in most cases water). At the same time most injection nozzles avoid a backflow to the metering pump due to their backpressure function.

When lyes with a high carbonate hardness, e.g. sodium hypochlorite solution, are metered into water calcium carbonate is inevitably precipitated at the mixing point.

Multifunctional and adjustable length

Lutz-Jesco offers a multiplicity of injection points for the most diverse types of application. An appropriately developed self-cleaning system prevents the adhesion of crystals with the injection point SAH. It is possible to control and/or clean the injection point or to renew the self-cleaning function during the daily dosing operation: the injection pipe of the injection point SAH can be removed when the piping is full and under system pressure.

The injection nozzle can be used to a wide range of applications, due to its field-adjustable length. The special hose connection eliminates kinked tubing. While removing the injection nozzle from the injection point the red end of the injection nozzle and a noticeable resistance indicate when to close the ball valve.

In short

- Dismounting of the injection tube under system pressure
- Checking of the injection nozzle during daily operation
- Extractable injection nozzle



Technical data

Opening pressure	~ 1,1 bar	~ 0,5 bar
Nominal width	DN 4	
Max. flow rate for uniform flow *	70 l/hr	
Suitable for main lines	DN 100 - DN 400	
Process connection	R 1/2	
Metering connection	4/6, 6/9 or 6/12	
Materials	PVC/ FPM (EPDM)	

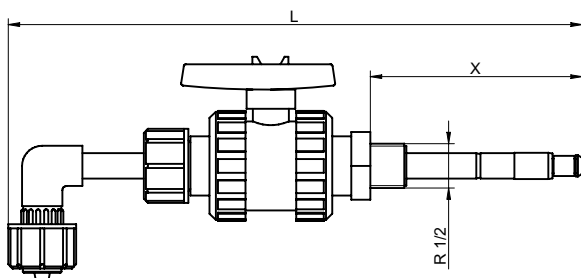
* Flow rates for uniform flow. Without pulsation dampers the max. flow rate for motor pumps amounts to 1/3 and for solenoid pumps to 1/10 of the indicated value.

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Model variants

Product name	Housing/ tubing material	Tubing connection	Length of injection tube X	For tube	Total length L	Order no.
Injection Nozzle SAH	R 1/2					
	PVC/ FPM	-	0 mm - 100 mm	DN 100 - DN 150	267 mm	12302001
		-	100 mm - 200 mm	DN 150 - DN 400	367 mm	12302002
		6/12	0 mm - 100 mm	DN 100 - DN 150	271 mm	12302005
		6/9	0 mm - 100 mm	DN 100 - DN 150	271 mm	12302006
		4/6	0 mm - 100 mm	DN 100 - DN 150	271 mm	12302007
		6/12	100 mm - 200 mm	DN 150 - DN 400	371 mm	12302011
		6/9	100 mm - 200 mm	DN 150 - DN 400	371 mm	12302012
		4/6	100 mm - 200 mm	DN 150 - DN 400	371 mm	12302013
	PVC/ EPDM	-	0 mm - 100 mm	DN 100 - DN 150	267 mm	12302003
		-	100 mm - 200 mm	DN 150 - DN 400	367 mm	12302004
		6/12	0 mm - 100 mm	DN 100 - DN 150	271 mm	12302008
		6/9	0 mm - 100 mm	DN 100 - DN 150	271 mm	12302009
		4/6	0 mm - 100 mm	DN 100 - DN 150	271 mm	12302010
		6/12	100 mm - 200 mm	DN 150 - DN 400	371 mm	12302014
		6/9	100 mm - 200 mm	DN 150 - DN 400	371 mm	12302015
		4/6	100 mm - 200 mm	DN 150 - DN 400	371 mm	12302016

Dimensional figure



All measurements are given in mm