

# Whirl Jet Nozzles 2500 bar

## WSD – R

**Operating pressure: max. 2500 bar**

To use for: Pipe cleaning

**Description:**

Exhibiting an extremely high cleaning rate, the whirl jet nozzle was specifically designed for cleaning the inside diameter of tubes.

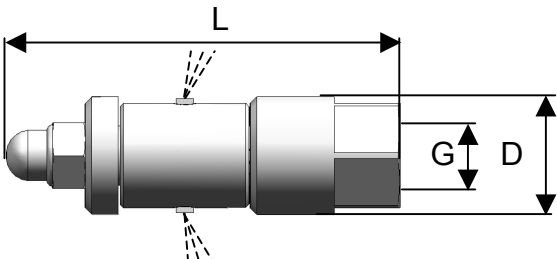
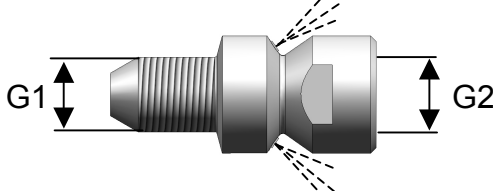
Because these nozzles are available with a variety of orifice sizes one can optimize the configuration to varying tube diameters.

**Function:**

By utilizing the reaction force of the high pressure jet a nozzle carrier rotates on the longitudinal axis of a carrier shaft at several thousand rpm. The rotating radial jets will remove the unwanted deposits or contamination from the tube inner walls.

**Advantages:**

The WSD-R nozzle may be used with both - rigid lances **and** hoses - without requirement of a forward feed component.

Whirl jet nozzle Radial water jets						Forward feed component			
									
Type	Part-No.	Ø D mm	L mm	Thread G	Nozzle Ø mm	Type	Part-No.	Thread G1 – G2	Nozzle Ø mm
R 15	341.0627	15	58	i 3/8-24UNF-LH	2x 0,3	VSE 15	341.0665	a 3/8-24UNF-LH – i 3/8-24UNF-LH	2x 0,6
	341.0628				2x 0,4				
	341.0629				2x 0,5				
	341.0630				2x 0,6				
R 18	341.0631	18	58	i 3/8-24UNF-LH	2x 0,3	VSE 18	341.0666	a 3/8-24UNF-LH – i 3/8-24UNF-LH	2x 0,6
	341.0632				2x 0,4				
	341.0633				2x 0,5				
	341.0634				2x 0,6				
R 22	341.0635	22	63	i 9/16-18UNF-LH	2x 0,3	VSE 22	341.0667	a 9/16-18UNF-LH – i 9/16-18UNF-LH	2x 0,6
	341.0636				2x 0,4				
	341.0655				2x 0,45				
	341.0637				2x 0,5				
341.0638	2x 0,6								
R 28	341.0639	28	75	i 9/16-18UNF-LH	2x 0,3	VSE 28	341.0668	a 9/16-18UNF-LH – i 9/16-18UNF-LH	2x 0,6
	341.0640				2x 0,4				
	341.0641				2x 0,5				
	341.0642				2x 0,6				

Thread M as per DIN 13 / ISO 261 ; Thread G as per DIN EN ISO 228-1

# Performance Chart

## Whirl jet nozzle WSD – R-2500



Type	Part-No.	Nozzle Ø mm	Operating pressure - bar -														
			1600	1700	1800	1900	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500
			Flow rate - l/min -														
<b>R 15</b>	341.0627	2x 0,3	12	13	13	14	15	15	16	16	17	17	17	18	18	19	20
	341.0628	2x 0,4	14	15	15	16	17	17	18	18	19	19	19	20	20	21	21
	341.0629	2x 0,5	17	18	18	19	19	20	20	20	21	21	22	22	23	23	23
	341.0630	2x 0,6	19	20	20	21	21	22	22	22	23	23	23	24	24	24	25
<b>R 18</b>	341.0631	2x 0,3	13	14	14	15	16	16	17	17	18	18	18	19	19	20	21
	341.0632	2x 0,4	15	16	16	17	18	18	19	19	19	20	21	22	22	23	23
	341.0633	2x 0,5	18	19	19	20	21	21	22	22	23	23	24	25	25	26	26
	341.0634	2x 0,6	22	23	24	25	26	27	28	28	29	29	30	30	31	31	32
<b>R22</b>	341.0635	2x 0,3	14	14	15	16	16	17	18	18	19	19	20	20	20	21	21
	341.0636	2x 0,4	15	16	17	18	18	19	19	20	20	21	22	22	23	23	24
	341.0655	2x 0,45	16	17	18	19	20	20	21	22	22	22	23	24	24	25	26
	341.0637	2x 0,5	19	20	21	22	23	23	24	25	25	25	26	27	27	28	29
341.0638	2x 0,6	23	24	25	26	27	28	29	29	30	30	31	31	32	32	33	
<b>R 28</b>	341.0639	2x 0,3	15	15	16	17	17	18	19	19	20	20	21	21	21	22	23
	341.0640	2x 0,4	17	17	18	19	19	21	22	22	23	23	24	24	25	25	26
	341.0641	2x 0,5	20	21	22	23	24	25	26	26	27	27	28	28	29	29	30
	341.0642	2x 0,6	24	25	26	27	28	29	30	30	31	31	32	32	33	33	34

## Forward feed component VSE-2500



Type	Nozzle Ø mm	Operating pressure - bar -														
		1600	1700	1800	1900	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500
		Flow rate - l/min -														
<b>VSE 15</b>	2x 0,6	18	19	19	20	20	21	21	21	21	22	22	22	22	23	23
<b>VSE 18</b>	2x 0,6	18	19	19	20	20	21	21	21	21	22	22	22	22	23	23
<b>VSE 22</b>	2x 0,6	18	19	19	20	20	21	21	21	21	22	22	22	22	23	23
<b>VSE 28</b>	2x 0,6	18	19	19	20	20	21	21	21	21	22	22	22	22	23	23