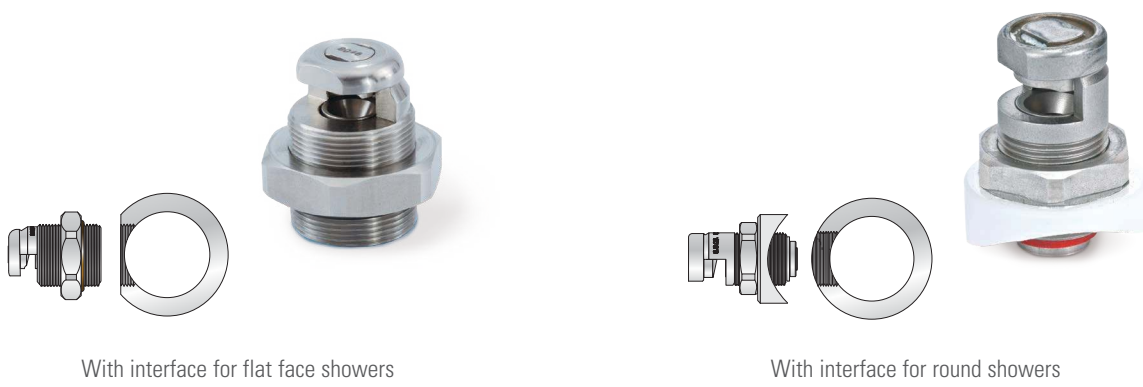


OVERVIEW: SELF-CLEANING NOZZLES




Ideal for: use in environments with suspended solids and showers with high solids content in the water

- For use with white water on save-all and knock-off showers
- Features a piston-type design. When line pressure is low, the nozzle's piston retracts to purge debris from the nozzle orifice
- Available with low or high actuator pressures
- Compact design fits easily inside paper machines
- Fast, easy installation and alignment
- Uniform spray distribution from .008 to 12.6 gpm (.03 to 47.7 lpm)
- Operating pressures up to 250 psi (17 bar)

SELF-CLEANING NOZZLE OPTIONS



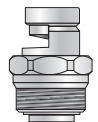
STYLES

Model	Model Type	Spray Pattern	Description	Connection Thread Size	Hex in. (mm)	Materials
	20210	Flat and solid stream	Hex nut with O-ring for interface with flat face on shower headers	1-1/8"-20 UN	1-1/2 (38.1)	316 stainless steel body with 302 stainless steel spring, Buna-N O-ring and Fairprene® diaphragm
	20235	Flat	Hex nut with polypropylene saddle gasket for interface with round shower headers	3/4"-20 UNEF	1 (25.4)	316 stainless steel body with 302 stainless steel spring, silicone rubber diaphragm and polypropylene saddle gasket
	26225	Flat and solid stream	Hex nut with O-ring interface with flat face on shower	3/4"-20 UNEF	1 (25.4)	316 stainless steel body and spring, Viton® O-ring and silicone rubber diaphragm

SHOWER NOZZLES

SELF-CLEANING

STYLES

Model	Model Type	Spray Pattern	Description	Connection Thread Size	Hex in. (mm)	Materials
	26411	Flat	Solid stream pattern: hex nut with O-ring	3/4" BSPP	1-1/2 (38.1)	316 stainless steel body and spring, Viton® O-ring and natural rubber diaphragm
	36090	Flat and solid stream	Hex nut with O-ring interface with flat face on shower	M28 x 1.5	1-1/2 (38.1)	316 stainless steel body with 302 stainless steel spring, Buna-N O-ring and Fairprene® diaphragm
	38332	Flat	Self-sealing design for interface with any shower header	3/4"	1-1/16 (27)	316 stainless steel body and spring, silicone rubber diaphragm
	38490	Double solid stream*	Hex nut with O-ring interface with flat face on shower	1-1/8"-20 UN	1-1/2 (38.1)	316 stainless steel body and spring, Buna-N O-ring and Fairprene diaphragm
	49905	Double flat spray*	Hex nut with O-ring interface with flat face on shower	1-1/8"-20 UN	1-1/2 (38.1)	316 stainless steel body with 302 stainless steel spring, Buna-N O-ring and Fairprene diaphragm
	49905-1			M28 x 1.5		
	72370	Flat	Self-sealing design for interface with any shower header that has 1/2" NPT ports	1/2" NPT (male)	.812 (20.9) flats	316 stainless steel body with 302 stainless steel spring, silicone rubber diaphragm

* Capacity size is for the entire nozzle assembly.

FOR DETAILED NOZZLE PERFORMANCE DATA, SEE

 Standard Units

 Metric Units



PERFORMANCE DATA
FLAT AND SOLID STREAM SPRAY: 20210, 20235, 26225, 26411, 36090,
38332, 38490, 49905, 72370

Spray Angle at 2.8 bar	Capacity Size	Flow Rate Capacity (liters per minute)													
		1.5 bar	2.0 bar	2.5 bar	3.0 bar	3.5 bar	4.0 bar	4.5 bar	5.0 bar	5.5 bar	6.0 bar	7.0 bar	8.0 bar	10.0 bar	15.0 bar
130°	13016	4.5	5.2	5.8	6.3	6.8	7.3	7.7	8.2	8.6	8.9	9.6	10.3	11.5	14.1
120°	12008	2.2	2.6	2.9	3.2	3.4	3.6	3.9	4.1	4.3	4.5	4.8	5.2	5.8	7.1
100°	10011	3.1	3.5	4.0	4.3	4.7	5.0	5.3	5.6	5.9	6.1	6.6	7.1	7.9	9.7
	10020	5.6	6.4	7.2	7.9	8.5	9.1	9.7	10.2	10.7	11.2	12.1	12.9	14.4	17.7
80°	8003	.84	.97	1.1	1.2	1.3	1.4	1.45	1.5	1.6	1.7	1.8	1.9	2.2	2.6
	8005	1.4	1.6	1.8	2.0	2.1	2.3	2.4	2.5	2.7	2.8	3.0	3.2	3.6	4.4
	8011	3.1	3.5	4.0	4.3	4.7	5.0	5.3	5.6	5.9	6.1	6.6	7.1	7.9	9.7
	8019	5.3	6.1	6.8	7.5	8.1	8.7	9.2	9.7	10.2	10.6	11.5	12.2	13.7	16.8
	8030	8.4	9.7	10.8	11.8	12.8	13.7	14.5	15.3	16.0	16.7	18.1	19.3	22	26
	8036	10.0	11.6	13.0	14.2	15.3	16.4	17.4	18.3	19.2	20	22	23	26	32
	8046	12.8	14.8	16.6	18.2	19.6	21	22	23	25	26	28	30	33	41
60°	6005	1.4	1.6	1.8	2.0	2.1	2.3	2.4	2.5	2.7	2.8	3.0	3.2	3.6	4.4
	6012	3.3	3.9	4.3	4.7	5.1	5.5	5.8	6.1	6.4	6.7	7.2	7.7	8.6	10.6
	6014	3.9	4.5	5.0	5.5	6.0	6.4	6.8	7.1	7.5	7.8	8.4	9.0	10.1	12.4
	6016	4.5	5.2	5.8	6.3	6.8	7.3	7.7	8.2	8.6	8.9	9.6	10.3	11.5	14.1
	6020	5.6	6.4	7.2	7.9	8.5	9.1	9.7	10.2	10.7	11.2	12.1	12.9	14.4	17.7
	6025	7.0	8.1	9.0	9.9	10.7	11.4	12.1	12.7	13.4	14.0	15.1	16.1	18.0	22
	6031	8.7	10.0	11.2	12.2	13.2	14.1	15.0	15.8	16.6	17.3	18.7	20	22	27
	6038	10.6	12.2	13.7	15	16.2	17.3	18.4	19.4	20	21	23	24	27	34
	6050	13.2	16.3	18.9	19.7	23	23	27	25	30	28	36	40	42	48
50°	5032	8.9	10.3	11.5	12.6	13.6	14.6	15.5	16.3	17.1	17.9	19.3	21	23	28
45°	4516	4.5	5.2	5.8	6.3	6.8	7.3	7.7	8.2	8.6	8.9	9.6	10.3	11.5	14.1
	4525	7.0	8.1	9.0	9.9	10.7	11.4	12.1	12.7	13.4	14.0	15.1	16.1	18.0	22
	4542	11.7	13.5	15.1	16.6	17.9	19.1	20	21	22	23	25	27	30	37
40°	4008	2.2	2.6	2.9	3.2	3.4	3.6	3.9	4.1	4.3	4.5	4.8	5.2	5.8	7.1
	4012	3.3	3.9	4.3	4.7	5.1	5.5	5.8	6.1	6.4	6.7	7.2	7.7	8.6	10.6
	4013	3.6	4.2	4.7	5.1	5.5	5.9	6.3	6.6	6.9	7.3	7.8	8.4	9.4	11.5
	4014	3.9	4.5	5.0	5.5	6.0	6.4	6.8	7.1	7.5	7.8	8.4	9.0	10.1	12.4
	4020	5.6	6.4	7.2	7.9	8.5	9.1	9.7	10.2	10.7	11.2	12.1	12.9	14.4	17.7
	4032	8.9	10.3	11.5	12.6	13.6	14.6	15.5	16.3	17.1	17.9	19.3	21	23	28
	4045	12.6	14.5	16.2	17.8	19.2	21	22	23	24	25	27	29	32	40
30°	3005	1.4	1.6	1.8	2.0	2.1	2.3	2.4	2.5	2.7	2.8	3.0	3.2	3.6	4.4
	3013	3.6	4.2	4.7	5.1	5.5	5.9	6.3	6.6	6.9	7.3	7.8	8.4	9.4	11.5
	3014	3.9	4.5	5.0	5.5	6.0	6.4	6.8	7.1	7.5	7.8	8.4	9.0	10.1	12.4
	3040	11.2	12.9	14.4	15.8	17.1	18.2	19.3	20	21	22	24	26	29	35

Highlighted column shows the rated pressure.



PERFORMANCE DATA

FLAT AND SOLID STREAM SPRAY: 20210, 20235, 26225, 26411, 36090, 38332, 38490, 49905, 72370

Spray Angle at 2.8 bar	Capacity Size	Flow Rate Capacity (liters per minute)													
		1.5 bar	2.0 bar	2.5 bar	3.0 bar	3.5 bar	4.0 bar	4.5 bar	5.0 bar	5.5 bar	6.0 bar	7.0 bar	8.0 bar	10.0 bar	15.0 bar
20°	2012	3.3	3.9	4.3	4.7	5.1	5.5	5.8	6.1	6.4	6.7	7.2	7.7	8.6	10.6
15°	1506	1.7	1.9	2.2	2.4	2.6	2.7	2.9	3.1	3.2	3.3	3.6	3.9	4.3	5.3
0° (solid stream)	000012	.03	.04	.04	.05	.05	.06	.06	.06	.06	.07	.07	.08	.09	.11
	000026	.07	.08	.09	.1	.11	.12	.125	.13	.14	.15	.16	.17	.19	.23
	000053	.15	.17	.19	.21	.23	.24	.26	.27	.28	.3	.32	.34	.38	.47
	00007	.2	.23	.25	.28	.3	.32	.34	.36	.37	.39	.42	.45	.5	.62
	0001	.28	.32	.36	.39	.43	.46	.48	.51	.53	.56	.6	.64	.72	.88
	00017	.47	.55	.61	.67	.72	.77	.82	.87	.91	.95	1.0	1.1	1.2	1.5
	0002	.56	.64	.72	.79	.85	.91	.97	1.0	1.07	1.1	1.2	1.3	1.4	1.8
	00025	.7	.81	.9	.99	1.0	1.1	1.2	1.3	1.34	1.4	1.5	1.6	1.8	2.2
	00032	.89	1.0	1.2	1.3	1.4	1.5	1.55	1.6	1.7	1.8	1.9	2.1	2.3	2.8
	00043	1.2	1.4	1.5	1.7	1.8	2.0	2.1	2.2	2.3	2.4	2.6	2.8	3.1	3.8
	0005	1.4	1.6	1.8	2.0	2.1	2.3	2.4	2.5	2.7	2.8	3.0	3.2	3.6	4.4
	0006	1.7	1.9	2.2	2.4	2.6	2.7	2.9	3.1	3.2	3.3	3.6	3.9	4.3	5.3
	0008	2.2	2.6	2.9	3.2	3.4	3.6	3.9	4.1	4.3	4.5	4.8	5.2	5.8	7.1
0010	2.8	3.2	3.6	3.9	4.3	4.6	4.8	5.1	5.3	5.6	6.0	6.4	7.2	8.8	

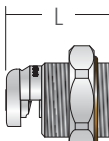
Highlighted column shows the rated pressure.

ORDERING INFORMATION

Call your local spray expert for application assistance or to place an order.



DIMENSIONS

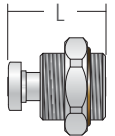
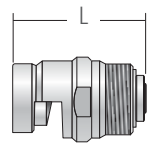
Nozzle	Nozzle Type	Conn. Thread Size (in.)	Length (mm)	D (Dia.) (mm)	Hex. (mm)
	20210	1-1/8"-20 UN	41.4	42.2	38.1
	20235	3/4"-20 UNEF	35.6	31.8	25.4
	26225	3/4"-20 UNEF	35.6	27.7	25.4
	26411	3/4" BSPP	35.6	42.2	38.1
	36090	M28 x 1.5	41.4	42.2	38.1
	38332	3/4"	39.1	29.7	27.0
	38490	1-1/8"-20 UN	41.4	42.2	38.1

METRIC UNITS



METRIC UNITS

DIMENSIONS

Nozzle	Nozzle Type	Conn. Thread Size (in.)	Length (mm)	D (Dia.) (mm)	Hex. (mm)
	49905	1-1/8"-20 UN	41.4	42.2	38.1
	49905-1	M28" x 1.5	41.4	42.2	38.1
	72370	1/2"	35.3	22.2	20.9 flats

ORDERING INFORMATION

Call your local spray expert for application assistance or to place an order.

