



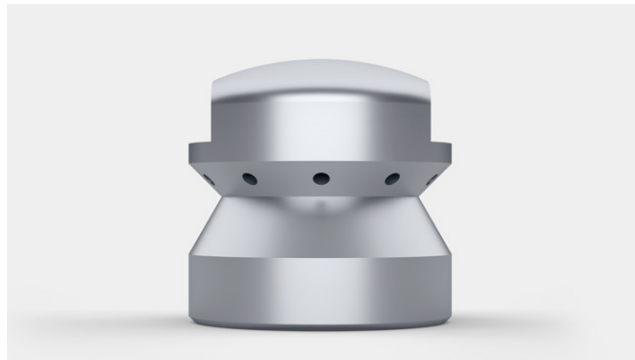
EHS pipe-cleaning nozzles Data sheet

Model variants



Model 618 with a bore hole towards the front

is suited to cleaning fully blocked pipes and is inserted with a steel lance or steel pipe. Depending on water pressure some preliminary assistance may be required. The jet angle is adjusted according to individual requirements.



Model 619 with the bore hole to the rear

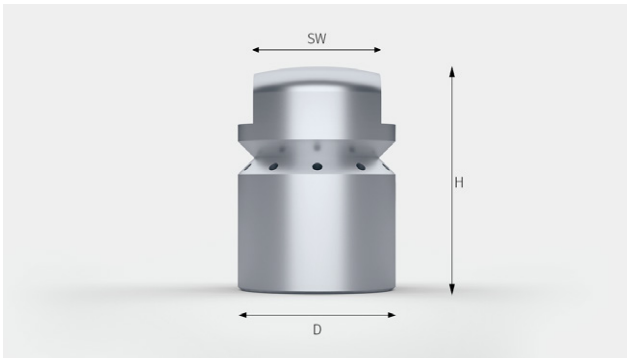
is especially suited to cleaning pipes or sewer pipes. The nozzle is pulled through the pipe by the recoil that occurs. Depending on water pressure some preliminary assistance may be required. The jet angle is vertical or tangential between 30° and 90°.



Model 620 in conical design

The conical design is particularly suitable for cleaning work in offset and narrow pipelines and around bends. Rear-facing bores develop optimum propulsion and at the same time provide a very effective cleaning. The jet angle is vertical or tangential between 30° and 90°. The nozzle is also available with front facing bores for forward jetting to break through even the most steadfast blockages.

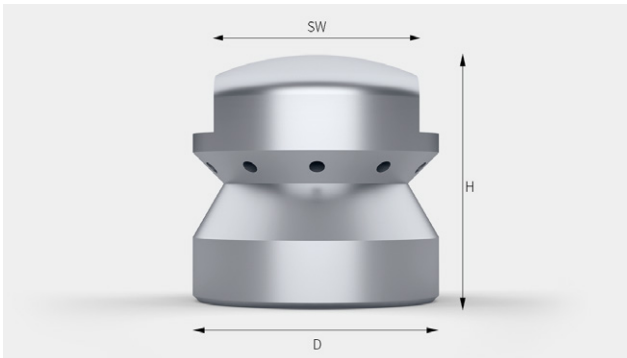
Model 618



Model	Connector G [DIN ISO 228]	Diameter [D in mm]	Total height [H in mm]	Spanner size [SW]	Quantity of orifices max.	Ø-orifices max. [mm]	Pressure range max. [bar]*
618-012	1/8	12	25	9	8	1.5	750
618-016	1/4	16	30	14	10	1.5	750
618-024	3/8	24	33	17	10	1.8	750
618-028	1/2	28	35	24	12	2.0	750
618-040	3/4	40	52	32	12	2.5	300

* applies to standard model, higher pressure ranges possible on request

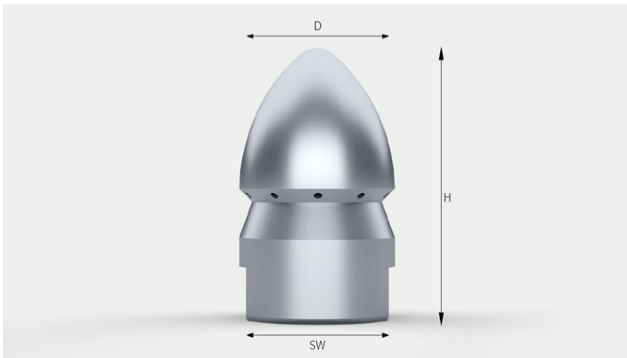
Model 619



Model	Connector G [DIN ISO 228]	Diameter [D in mm]	Total height [H in mm]	Spanner size [SW]	Quantity of orifices max.	Ø-orifices max. [mm]	Pressure range max. [bar]*
619-012	1/8	12	25	9	8	1.5	750
619-016	1/4	16	30	14	10	1.5	750
619-024	3/8	24	34	19	10	1.8	750
619-028	1/2	28	35	24	12	2.0	750
619-040	3/4	40	40	32	12	2.5	300

* applies to standard model, higher pressure ranges possible on request

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Model	Connector G [DIN ISO 228]	Diameter [D in mm]	Total height [H in mm]	Spanner size [SW]	Quantity of orifices max.	ø-orifices max. [mm]	Pressure range max. [bar]*
620-012	1/8	12	35	9	8	1.5	750
620-016	1/4	16	41	14	10	1.5	750
620-024	3/8	24	50	19	10	1.8	750
620-029	1/2	29.5	52	27	12	2.0	750
620-040	3/4	40	65	32	12	2.5	300
620-044	1	44	75	36	12	3.0	300
620-054	1 1/4	54	95	41	16	3.5	300
620-059	1 1/2	59	108	50	16	4.0	300

* applies to standard model, higher pressure ranges possible on request

Performance data

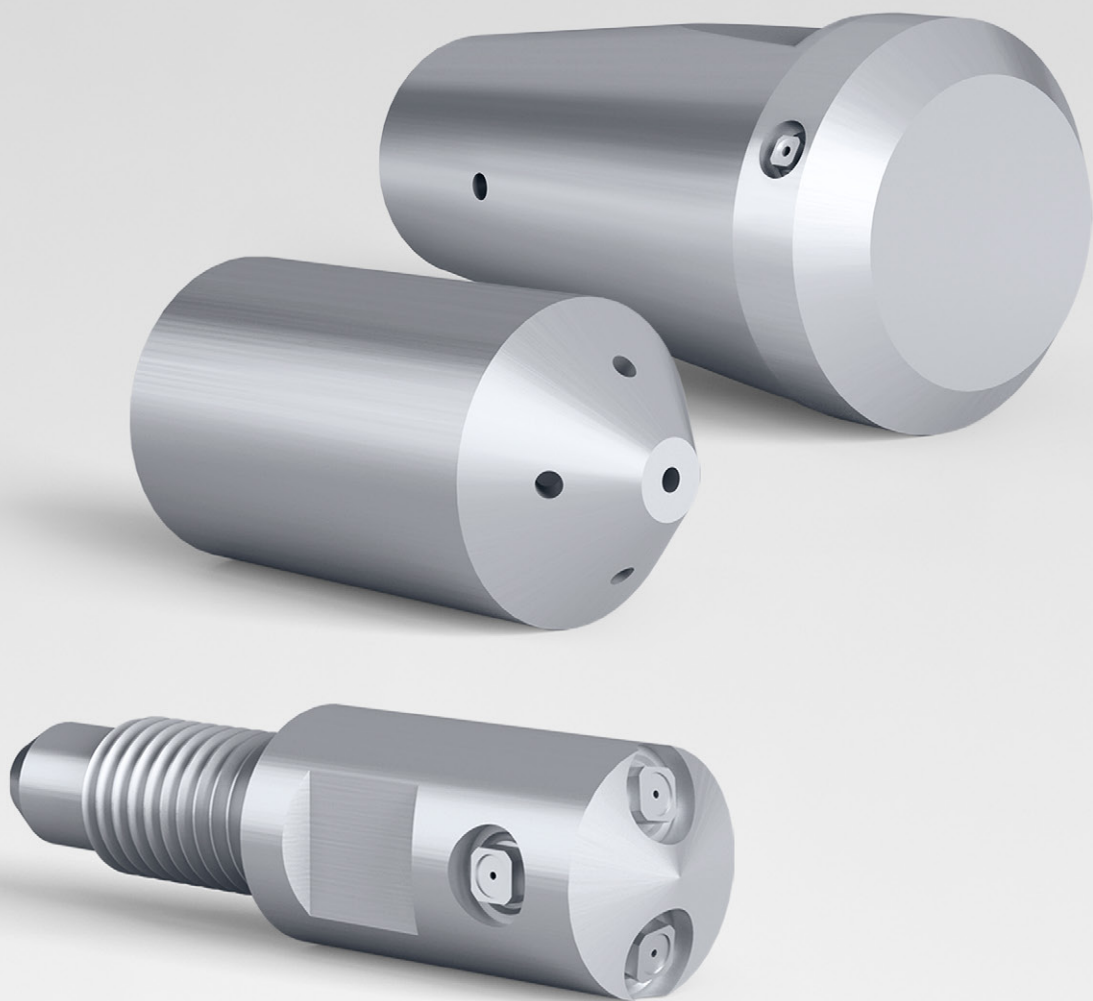
Water flow rate at 16°

Orifice [mm]	Pressure 30 [bar]		Pressure 50 [bar]		Pressure 100 [bar]		Pressure 200 [bar]		Pressure 300 [bar]		Pressure 400 [bar]		Pressure 500 [bar]		Pressure 1000 [bar]		Pressure 1500 [bar]	
	l/min	m3/h	l/min	m3/h	l/min	m3/h	l/min	m3/h	l/min	m3/h	l/min	m3/h	l/min	m3/h	l/min	m3/h	l/min	m3/h
0.5	0.59	0.04	0.77	0.05	1.08	0.07	1.53	0.09	1.88	0.11	2.17	0.13	2.43	0.15	3.43	0.21	4.20	0.25
0.6	0.86	0.05	1.10	0.07	1.56	0.09	2.21	0.13	2.71	0.16	3.12	0.19	3.49	0.21	4.94	0.30	6.05	0.36
0.7	1.16	0.07	1.50	0.09	2.13	0.13	3.01	0.18	3.68	0.22	4.25	0.26	4.75	0.29	6.72	0.40	8.23	0.49
0.8	1.52	0.09	1.96	0.12	2.78	0.17	3.93	0.24	4.81	0.29	5.55	0.33	6.21	0.37	8.78	0.53	10.75	0.65
0.9	1.92	0.12	2.48	0.15	3.51	0.21	4.97	0.30	6.09	0.37	7.03	0.42	7.86	0.47	11.11	0.67	13.61	0.82
1.0	2.38	0.14	3.07	0.18	4.34	0.26	6.14	0.37	7.51	0.45	8.68	0.52	9.70	0.58	13.72	0.82	16.80	1.01
1.1	2.88	0.17	3.71	0.22	5.25	0.31	7.42	0.45	9.09	0.55	10.50	0.63	11.74	0.70	16.60	1.00	20.33	1.22
1.2	3.42	0.21	4.42	0.27	6.25	0.37	8.83	0.53	10.82	0.65	12.49	0.75	13.97	0.84	19.76	1.19	24.20	1.45
1.3	4.02	0.24	5.18	0.31	7.33	0.44	10.37	0.62	12.70	0.76	14.66	0.88	16.39	0.98	23.19	1.39	28.40	1.70
1.4	4.66	0.28	6.01	0.36	8.50	0.51	12.03	0.72	14.73	0.88	17.01	1.02	19.01	1.14	26.89	1.61	32.93	1.98
1.5	5.35	0.32	6.90	0.41	9.76	0.59	13.80	0.83	16.91	1.01	19.52	1.17	21.83	1.31	30.87	1.85	37.81	2.27
1.6	6.08	0.36	7.85	0.47	11.11	0.67	15.71	0.94	19.24	1.15	22.21	1.33	24.83	1.49	35.12	2.11	43.01	2.58
1.7	6.87	0.41	8.87	0.53	12.54	0.75	17.73	1.06	21.72	1.30	25.08	1.50	28.04	1.68	39.65	2.38	48.56	2.91
1.8	7.70	0.46	9.94	0.60	14.06	0.84	19.88	1.19	24.35	1.46	28.11	1.69	31.43	1.89	44.45	2.67	54.44	3.27
1.9	8.58	0.51	11.07	0.66	15.66	0.94	22.15	1.33	27.13	1.63	31.32	1.88	35.02	2.10	49.53	2.97	60.66	3.64
2.0	9.50	0.57	12.27	0.74	17.35	1.04	24.54	1.47	30.06	1.80	34.71	2.08	38.80	2.33	54.88	3.29	67.21	4.03
2.2	11.50	0.69	14.85	0.89	21.00	1.26	29.69	1.78	36.37	2.18	41.99	2.52	46.95	2.82	66.40	3.98	81.32	4.88
2.5	14.85	0.89	19.17	1.15	27.11	1.63	38.35	2.30	46.96	2.82	54.23	3.25	60.63	3.64	85.74	5.14	105.01	6.30
2.8	18.63	1.12	24.05	1.44	34.01	2.04	48.10	2.89	58.91	3.53	68.02	4.08	76.05	4.56	107.56	6.45	131.73	7.90
3.0	21.39	1.28	27.61	1.66	39.04	2.34	55.22	3.31	67.63	4.06	78.09	4.69	87.31	5.24	123.47	7.41	151.22	9.07
3.2	24.33	1.46	31.41	1.88	44.42	2.67	62.83	3.77	76.95	4.62	88.85	5.33	99.34	5.96	140.48	8.43	172.06	10.32
3.5	29.11	1.75	37.58	2.25	53.14	3.19	75.16	4.51	92.05	5.52	106.29	6.38	118.83	7.13	168.06	10.08	205.83	12.35
3.8	34.31	2.06	44.30	2.66	62.65	3.76	88.59	5.32	108.50	6.51	125.29	7.52	140.08	8.40	198.10	11.89	242.62	14.56
4.0	38.02	2.28	49.08	2.94	69.41	4.16	98.17	5.89	120.23	7.21	138.83	8.33	155.21	9.31	219.50	13.17	268.84	16.13

Flow rates for one bore hole.

Custom designs

When it comes to pipe cleaning nozzles, nothing compares to our product range. The range includes all common spray shapes with pressure ranges up to 750 bar. Moreover a variety of requirements could precisely be fulfilled by using the standard material hardened high-grade steel. For special technical features, we can develop bespoke special solutions for our customers.





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