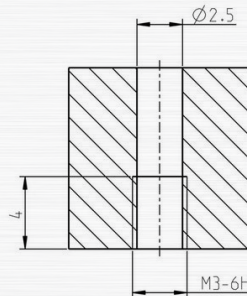


# SAPPHIRE NOZZLE 030

The Sapphire nozzle type 030 for surface treatment is characterized by its service life, efficiency and quality. This nozzle is mainly mounted on small cleaning bars and is used in industrial cleaning. The sapphire and the nozzle body are manufactured and processed in-house. **The maximum operating pressure is 1000 bar**, the best way to seal the nozzle is with Loctite or Teflon tape.

The heart of the nozzle, its the sapphire has a consistent and high quality. All sapphire are checked for scratches, cracks and flow.

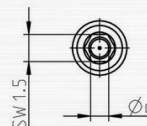
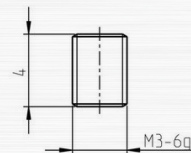


## PROPERTIES AND ADVANTAGES

- LONG LIFETIME
- CONSTANT JET QUALITY
- HIGH-POWER AND FOCUSED WATER JET
- NEEDLE JET WITH HIGH ENERGY DENSITY
- EASY TO INSTALL AND DISASSEMBLE
- SWISS QUALITY

## APPLICATIONS

- CONSTRUCTION INDUSTRY
- IRON, STEEL AND METAL INDUSTRIES
- MECHANICAL AND APPARATUS ENGINEERING
- CEMENT AND CONCRETE INDUSTRY
- INDUSTRIAL CLEANING
- SPRAYBARS



# SAPPHIRE NOZZLE 030

## PERFORMANCES

ART. NO	NOZZLE SIZE IN US GAL/MIN AT 40 PSI	NOZZLE ØD MM	PRESSURE IN PSI / BAR							
			psi 725	psi 1450	psi 2175	psi 2900	psi 3625	psi 7250	psi 10875	psi 14500
			bar 50	bar 100	bar 150	bar 200	bar 250	bar 500	bar 750	bar 1000
FLOW RATE IN L/MIN										
030.010	0002	0.10	0.032	0.045	0.055	0.064	0.071	0.100	0.122	0.141
030.0125	0003	0.125	0.050	0.071	0.086	0.100	0.111	0.157	0.191	0.220
030.015	0004	0.15	0.072	0.102	0.124	0.143	0.160	0.226	0.275	0.316
030.0175	0006	0.175	0.098	0.138	0.169	0.195	0.218	0.307	0.375	0.431
030.020	0008	0.20	0.128	0.181	0.221	0.255	0.285	0.401	0.489	0.563
030.025	0012	0.25	0.200	0.282	0.345	0.399	0.445	0.627	0.764	0.879
030.030	0018	0.30	0.288	0.407	0.497	0.574	0.641	0.903	1.101	1.266
030.035	0024	0.35	0.392	0.553	0.677	0.781	0.873	1.229	1.498	1.723
030.040	0031	0.40	0.512	0.723	0.884	1.020	1.140	1.605	1.957	2.251
030.045	0040	0.45	0.647	0.915	1.119	1.291	1.442	2.031	2.477	2.848
030.050	0049	0.50	0.799	1.129	1.382	1.594	1.781	2.507	3.058	3.517
030.055	0060	0.55	0.967	1.366	1.672	1.929	2.155	3.034	3.700	4.255
030.060	0071	0.60	1.151	1.626	1.990	2.296	2.564	3.611	4.404	5.064
030.065	0083	0.65	1.351	1.908	2.335	2.694	3.010	4.238	5.168	5.943
030.070	0096	0.70	1.567	2.213	2.708	3.125	3.490	4.915	5.994	6.892
030.075	0111	0.75	1.798	2.541	3.109	3.587	4.007	5.642	6.880	7.912
030.080	0126	0.80	2.046	2.891	3.538	4.081	4.559	6.419	7.828	9.002
030.085	0142	0.85	2.310	3.264	3.994	4.607	5.146	7.247	8.838	10.163
030.090	0159	0.90	2.590	3.659	4.477	5.165	5.770	8.124	9.908	11.394
030.095	0177	0.95	2.885	4.077	4.988	5.755	6.429	9.052	11.039	12.695
030.100	0197	1.00	3.197	4.517	5.527	6.377	7.123	10.030	12.232	14.066

### INSTRUCTIONS

WHEN MANUALLY OPERATING HIGH PRESSURE GUNS AND LANCES THE REPULSIVE FORCE ON THE AXIS SHOULD NOT EXCEED 250N! IF THE REPULSIVE FORCE EXCEEDS 150N, A SUPPORT / BODY ARMOUR IS REQUIRED!

	< 150 N
	< 250 N
	> 250 N



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