

Sapphire nozzle 976



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
- Mining
- Concrete demolition
- Surface treatment
- Cement and concrete industry
- Industrial cleaning
- Spray bars

Description

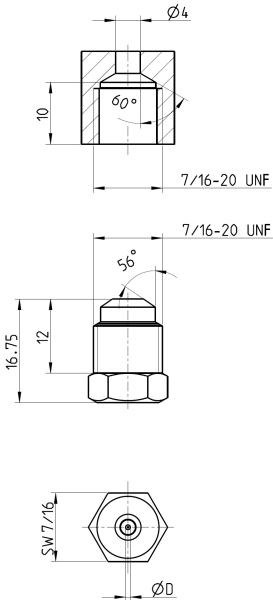
The high-performance Sapphire nozzle type 976 is designed for surface treatment. The nozzle is characterized above all by its service life, efficiency and quality. This nozzle was designed for the rotary nozzle Barracuda® from Stoneage.

The heart of the nozzle, its the sapphire that is completely manufactured by mvt AG, thus ensuring a consistent and high quality. All sapphire are checked for scratches, cracks and flow.

This product is compatible with the following brands or products:

- OS7™

ART. NO. (1)
33150._ _



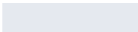
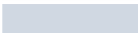
CHARACTERISTICS	TYPE
	976
Operating pressure (bar)	max. 3000
Operating temp. (°C)	max. 150°
Tightening torque (Nm)	max. 40

Performance

ART. NO.	NOZZLE SIZE IN US GAL/MIN AT 40 PSI	NOZZLE ØD MM	PRESSURE IN PSI / BAR							
			psi 2900	psi 7250	psi 10875	psi 14500	psi 21750	psi 29000	psi 36250	psi 43500
			bar 200	bar 500	bar 750	bar 1000	bar 1500	bar 2000	bar 2500	bar 3000
			FLOW RATE IN L/MIN							
33150.0100	0002	0.10	0.064	0.100	0.122	0.141	0.171	0.196	0.217	0.237
33150.0125	0003	0.125	0.100	0.157	0.191	0.220	0.267	0.306	0.340	0.370
33150.0150	0004	0.15	0.143	0.226	0.275	0.316	0.385	0.441	0.489	0.532
33150.0175	0006	0.175	0.195	0.307	0.375	0.431	0.523	0.600	0.666	0.725
33150.0200	0008	0.20	0.255	0.401	0.489	0.563	0.684	0.784	0.870	0.946
33150.0250	0012	0.25	0.399	0.627	0.764	0.879	1.068	1.224	1.359	1.479
33150.0300	0018	0.30	0.574	0.903	1.101	1.266	1.538	1.763	1.957	2.130
33150.0350	0025	0.35	0.804	1.265	1.542	1.774	2.155	2.470	2.742	2.984
33150.0400	0032	0.40	1.050	1.652	2.015	2.317	2.815	3.226	3.582	3.897
33150.0450	0041	0.45	1.329	2.091	2.550	2.932	3.563	4.083	4.533	4.933
33150.0500	0050	0.50	1.641	2.581	3.148	3.620	4.399	5.041	5.596	6.090
33150.0550	0061	0.55	1.986	3.123	3.809	4.380	5.322	6.100	6.772	7.368
33150.0600	0073	0.60	2.363	3.717	4.533	5.213	6.334	7.259	8.059	8.769
33150.0650	0085	0.65	2.773	4.362	5.320	6.118	7.434	8.519	9.458	10.291
33150.0700	0099	0.70	3.217	5.059	6.170	7.095	8.621	9.881	10.969	11.936
33150.0750	0114	0.75	3.692	5.808	7.083	8.145	9.897	11.342	12.592	13.702
33150.0800	0131	0.80	4.261	6.702	8.174	9.399	11.421	13.090	14.531	15.812
33150.0850	0148	0.85	4.810	7.566	9.228	10.611	12.893	14.777	16.404	17.850
33150.0900	0166	0.90	5.393	8.483	10.345	11.896	14.455	16.566	18.391	20.012
33150.0950	0187	0.95	6.094	9.584	11.689	13.441	16.332	18.718	20.780	22.611
33150.1000	0213	1.00	6.939	10.915	13.311	15.307	18.600	21.317	23.664	25.750
33150.1100	0258	1.10	8.397	13.207	16.107	18.522	22.505	25.793	28.634	31.158
33150.1200	0307	1.20	9.993	15.717	19.168	22.042	26.783	30.696	34.077	37.080
33150.1300	0361	1.30	11.728	18.446	22.496	25.869	31.433	36.025	39.993	43.518
33150.1400	0418	1.40	13.601	21.393	26.090	30.002	36.455	41.780	46.382	50.470
33150.1500	0480	1.50	15.614	24.558	29.950	34.441	41.849	47.962	53.245	57.938
33150.1600	0546	1.60	17.765	27.942	34.077	39.187	47.615	54.570	60.581	65.920
33150.1700	0617	1.70	20.055	31.544	38.470	44.238	53.753	61.605	68.390	74.418
33150.1800	0692	1.80	22.484	35.364	43.129	49.596	60.263	69.066	76.673	83.431
33150.1900	0771	1.90	25.051	39.402	48.054	55.259	67.144	76.953	85.428	92.958
33150.2000	0854	2.00	27.758	43.659	53.245	61.229	74.398	85.266	94.658	103.001
33150.2100	0941	2.10	30.603	48.134	58.703	67.505	82.024	94.006	104.360	113.558
33150.2200	1103	2.20	35.856	56.397	68.780	79.093	96.104	110.143	122.274	133.052
33150.2300	1205	2.30	39.190	61.641	75.175	86.447	105.040	120.384	133.643	145.422
33150.2400	1313	2.40	42.672	67.117	81.854	94.127	114.372	131.080	145.517	158.343
33150.2500	1424	2.50	46.302	72.827	88.817	102.135	124.102	142.230	157.896	171.813
33150.2600	1540	2.60	50.080	78.770	96.064	110.469	134.228	153.836	170.780	185.833
33150.2700	1661	2.70	54.007	84.945	103.596	119.130	144.752	165.898	184.170	200.402
33150.2800	1786	2.80	58.081	91.354	111.412	128.118	155.673	178.414	198.064	215.522
33150.2900	1917	2.90	62.304	97.996	119.512	137.432	166.991	191.385	212.465	231.191
33150.3000	2051	3.00	66.675	104.871	127.896	147.074	178.707	204.812	227.370	247.410

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