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GPZ 系列高压喷嘴简介

Introduction to GPZ Series High-pressure Nozzles

我公司根据市场需求，新近开发了 GPZ 系列高压喷嘴，其原理是利用高压液体极高的动能，起到除鳞、清洗、喷涂等作用。按其用途分为系列高压除鳞喷嘴、系列涂层喷嘴、系列洗涤喷嘴。

我公司在开发 GPZ 系列高压喷嘴的同时，还设计研制出高压喷嘴的测试系统，并经有关质检机构验收，被确认为高压喷嘴合格测试系统，该测试系统模拟高压喷嘴的实际使用工况，通过压力、流量等传感器传递信号，由计算机采集有关数据，并经处理，以相应的图表形式反映出高压喷嘴使用时的对应压力下的冲击力、流量和喷射角度。

GPZ 系列高压喷嘴的工作压力范围 2.0~50.0MPa，在不同的工作压力下，具有不同的流量、喷射角度及打击力。

如用户需要的高压喷嘴在工作压力、流量、喷射角度或安装尺寸等方面有特殊要求时，我公司可适应用户具体要求设计和制造。

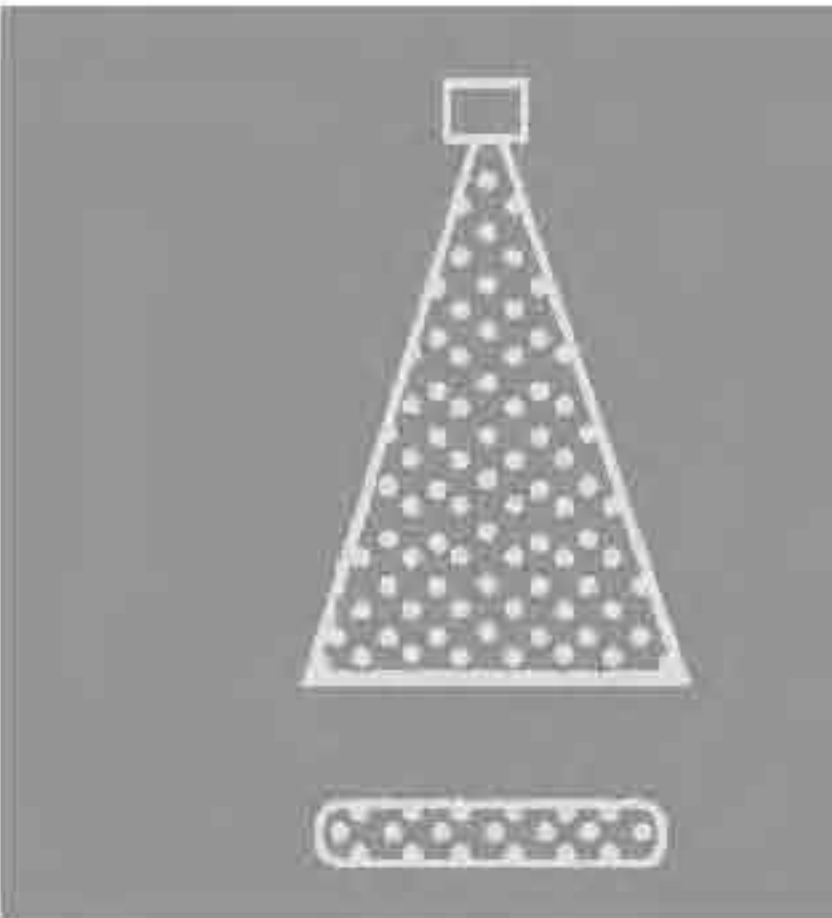
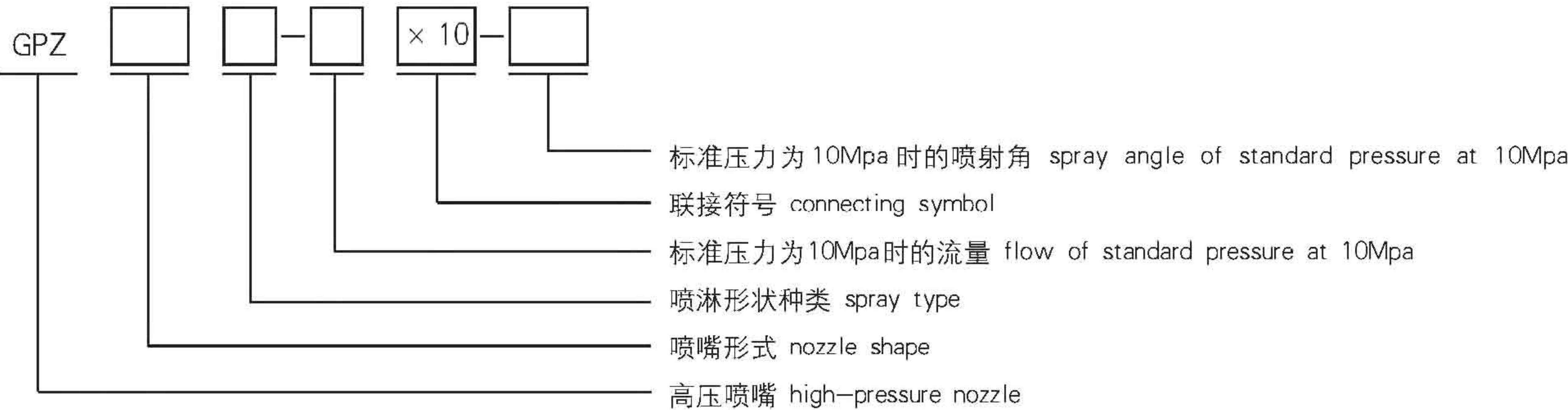
According to the requirement of market, the company newly developed GPZ series high-pressure nozzles. By using the high kinetic energy of liquid under high pressure, the nozzles can be used in the fields of descaling, cleaning and coating. They are divided according to the usage into series of high-pressure descaling nozzle, series of nozzles for coating and series of nozzles for cleaning.

While developing GPZ series high-pressure nozzles, the company developed the testing system of high-pressure nozzle and has been affirmed as eligible testing system of high-pressure nozzles checked and accepted by the quality inspection organ concerned. The system simulates the practical working condition of high-pressure nozzle and passes signals through the sensors of pressure, flux and so on. The computer collects, processes and detects the wallops, flux and spray angles in correspondent pressure and prints them out in the form of chart.

The working pressure range of GPZ series high pressure nozzle is 2.0 ~ 50.0Mpa. The flux, spray angles and wallops are different under different working pressure.

The company can conduct special design and manufacture to meet the special requirements of the customer in the working pressure, flux, spray angle and installation size of the nozzles.

GPZ 系列高压喷嘴型号编制：
The Workout of GPZ Series High Pressure Nozzles:



例 (for example) : GPZB7-720-30
GPZ- 高压喷嘴 high-pressure nozzle B- 喷嘴形式 nozzle shape 7- 喷淋种类号 spray type 720- 流量 flow (72.0L/min) 30- 喷射角度 spray angle (30°)

喷射特性及用途

高压除鳞喷嘴，喷出的高压水呈很薄的扇形高流速水帘，其单位面积、冲击力很强，广泛应用于轧钢厂轧钢过程中钢坯的除鳞（即去除氧化皮），为保证轧制产品的优质表面质量提供了先决条件，同时提高了轧辊的使用寿命。

高压除鳞喷嘴亦可用于清洗去污及清除器件的表面废物等。

The Spray Characteristics and Usage

The high-pressure water sprayed by high pressure descaling nozzle is in very thin sector nappe shape of high speed. The unit area and wallop are very strong. They are widely used in the process of steel rolling in rolling mill for billet descaling (removing the oxidated scales), which provides the precondition for ensuring the high surface quality of the rolling products and extends the longevity of usage of the rollers at the same time.

The high-pressure descaling nozzles can also be used in cleaning and decontamination and to clean off the dirt on the objects' surface.

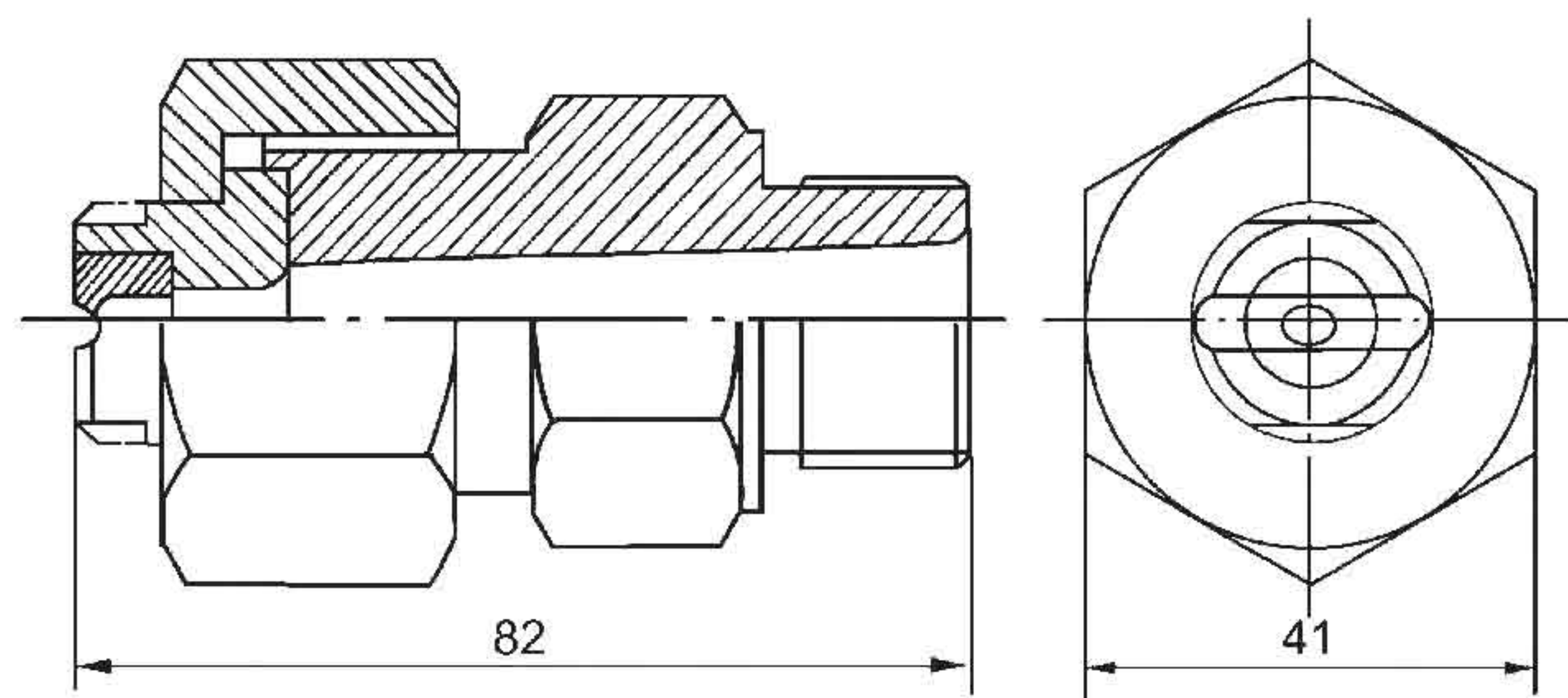
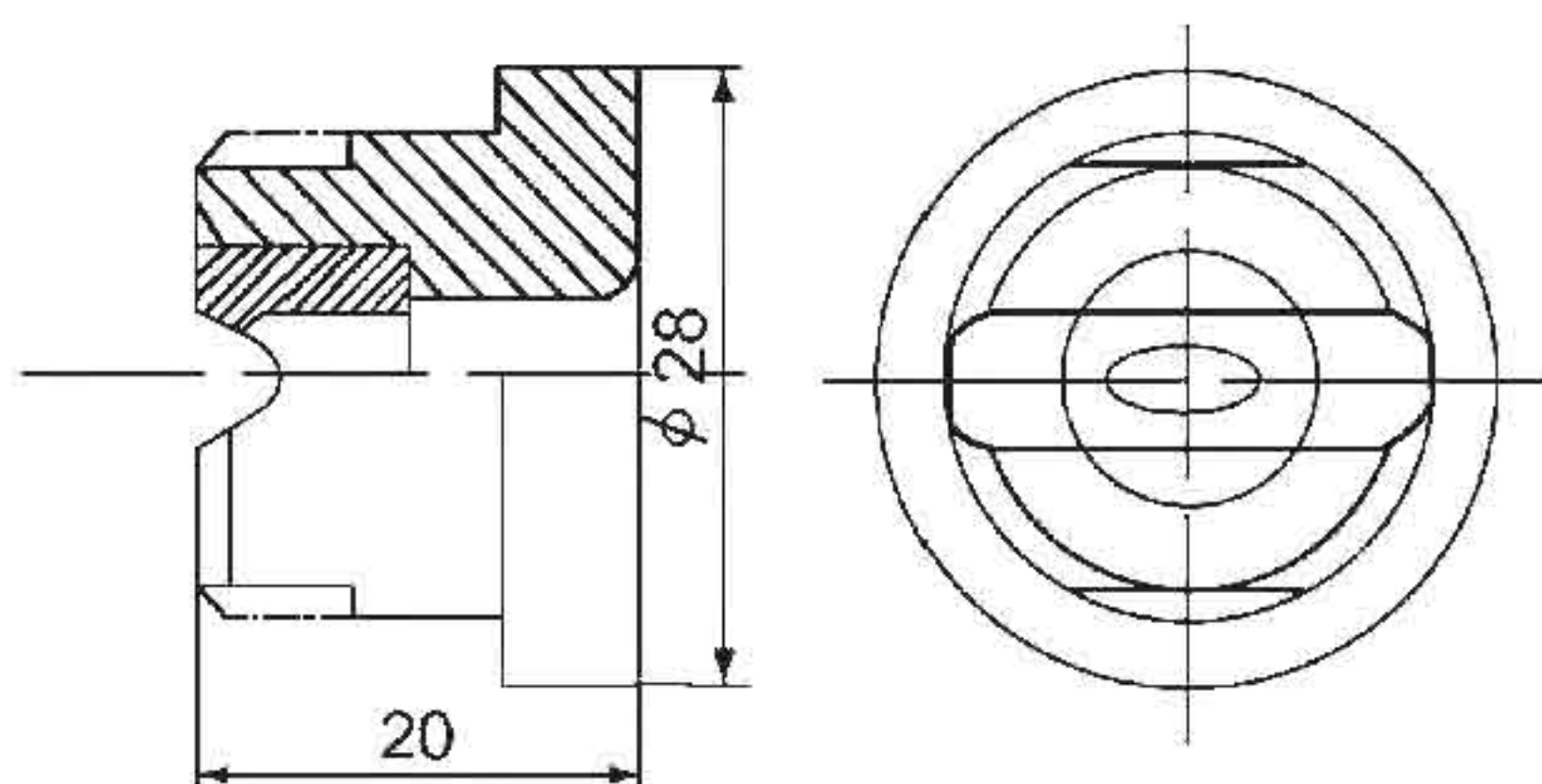
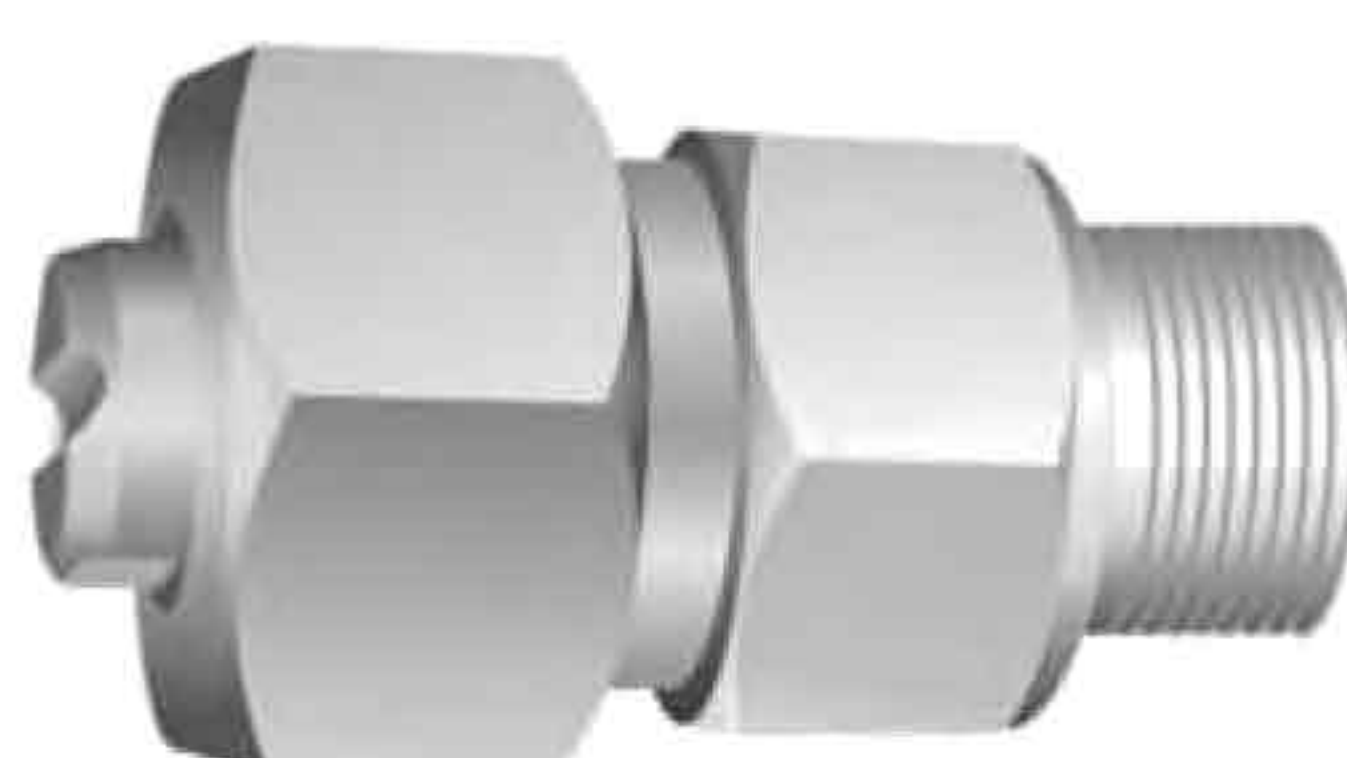
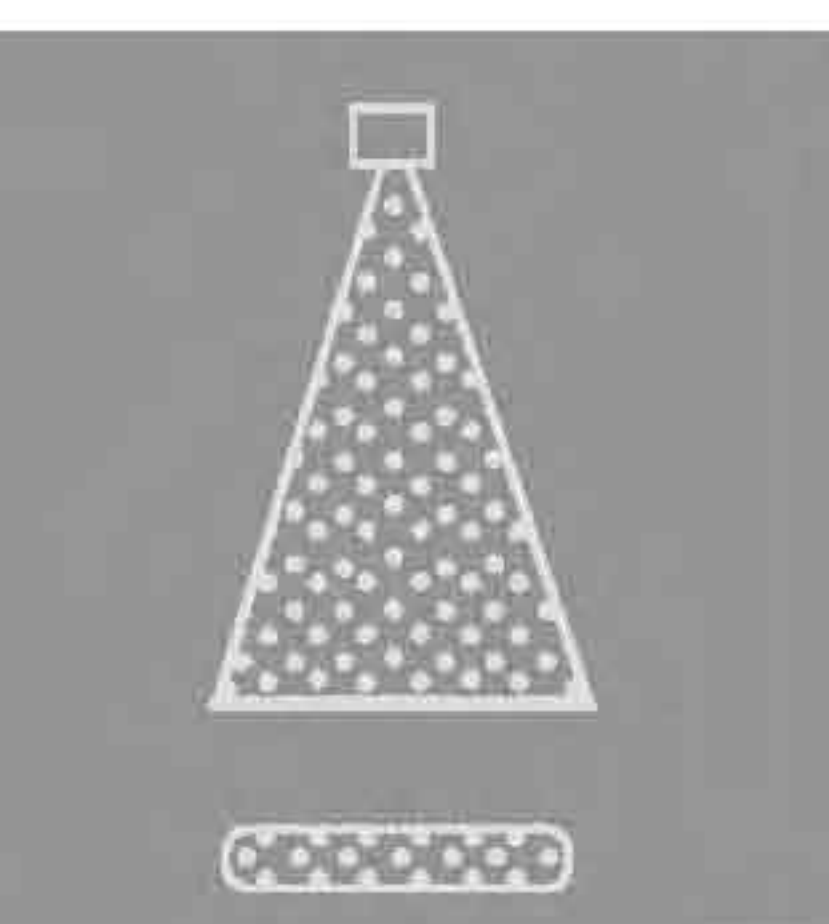
GPZB0~B1 型特点及用途

该喷嘴为一般高压除鳞喷嘴，外形长度较短，接口为螺纹其扇形喷射方位可调，GPZB0型可通过对喷头的旋转方向控制实现其喷射方位的调节，GPZB1其喷射方向由被连接件调节控制。其喷射方位用途主要是用于喷嘴需随时改变喷射方向的场合。

The Characteristics and Usage of Model GPZB0~B1

This is a kind of common high-pressure descaling nozzle. It is shorter in outside length. The nozzles are screw thread and the sector spray orientation is adjustable. Model GPZB0 can realize the adjustment of the spray orientation by controlling the turning direction of the nozzle. The spray direction Model GPZB1 is controlled by its connecting piece. The usage of adjusting spray orientation is used in the places where the spray direction should be changed by the nozzle at any moment.

GPZB0 型



High-pressure Desealing nozzle

高压除鳞喷嘴

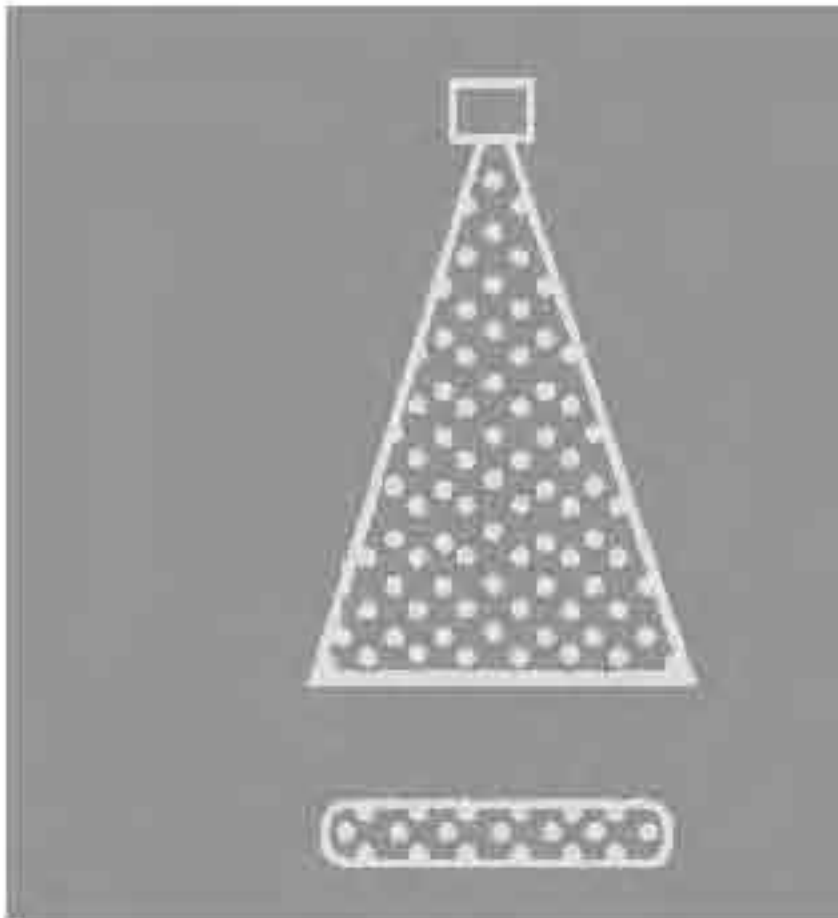
GPZ 系列高压除鳞喷嘴性能参数表

Property Parameter of GPZ Series High-pressure Descaling Nozzle

产品型号 Model		材质 Material	MPa 压力下的流量 (L/min) Flow at MPa pressure(L/min)							喷射角 (°) Spray angle (degree)
			10.0	12.0	15.0	18.0	20.0	25.0	30.0	
GPZB0-240-27		不锈钢	24.0	26.3	29.4	32.2	33.9	37.9	41.6	27
GPZB0-300-27			30.0	32.9	36.8	40.2	42.4	47.4	52.0	27
GPZB0-300-43			30.0	32.9	36.8	40.2	42.4	47.4	52.0	43
GPZB0-360-27			36.0	39.5	44.1	48.3	50.9	56.9	62.4	27
GPZB0-360-30			36.0	39.5	44.1	48.3	50.9	56.9	62.4	30
GPZB0-360-35			36.0	39.5	44.1	48.3	50.9	56.9	62.4	35
GPZB0-453-27			45.3	49.7	55.5	60.8	64.1	71.6	78.5	27
GPZB0-453-33			45.3	49.7	55.5	60.8	64.1	71.6	78.5	33
GPZB0-453-35			45.3	49.7	55.5	60.8	64.1	71.6	78.5	35
GPZB0-453-43			45.3	49.7	55.5	60.8	64.1	71.6	78.5	43
GPZB0-600-25			60.0	65.7	73.5	80.5	84.9	94.9	103.9	25
GPZB0-677-27			67.7	74.2	83.0	90.8	95.7	107.0	117.3	27
GPZB0-677-33			67.7	74.2	83.0	90.8	95.7	107.0	117.3	33
GPZB0-677-35			67.7	74.2	83.0	90.8	95.7	107.0	117.3	35
GPZB0-677-37		碳化钨	67.7	74.2	83.0	90.8	95.7	107.0	117.3	37
GPZB0-677-43			67.7	74.2	83.0	90.8	95.7	107.0	117.3	43
GPZB0-775-25		铜	77.5	84.9	95.0	104.0	109.6	122.5	134.2	25
GPZB0-775-35			77.5	84.9	95.0	104.0	109.6	122.5	134.2	35
GPZB0-905-27		Stainless Steel	90.5	99.2	111	121.4	128.0	143.1	156.8	27
GPZB0-905-33			90.5	99.2	111	121.4	128.0	143.1	156.8	33
GPZB0-905-35		Tungsten Carbide	90.5	99.2	111	121.4	128.0	143.1	156.8	35
GPZB0-905-37			90.5	99.2	111	121.4	128.0	143.1	156.8	37
GPZB0-905-40		Brass	90.5	99.2	111	121.4	128.0	143.1	156.8	40
GPZB0-905-43			90.5	99.2	111	121.4	128.0	143.1	156.8	43
GPZB0-950-25			95	104	116	127.5	134.4	150.2	164.5	25
GPZB0-1080-27			108	118	132	144.9	152.7	170.8	187.1	27
GPZB0-1080-33			108	118	132	144.9	152.7	170.8	187.1	33
GPZB0-1130-27			113	124	138	151.6	160.0	178.7	195.7	27
GPZB0-1130-35			113	124	138	151.6	160.0	178.7	195.7	35
GPZB0-1130-39			113	124	138	151.6	160.0	178.7	195.7	39
GPZB0-1130-43			113	124	138	151.6	160.0	178.7	195.7	43
GPZB0-1360-27			136	148	167	182.5	192.3	215.0	235.6	27
GPZB0-1360-35			136	148	167	182.5	192.3	215.0	235.6	35
GPZB0-1540-35			154	169	189	206.6	217.8	243.5	266.7	35
GPZB0-1800-33			180	197	220	241.5	254.6	284.6	311.8	33

GPZ series high-pressure nozzle

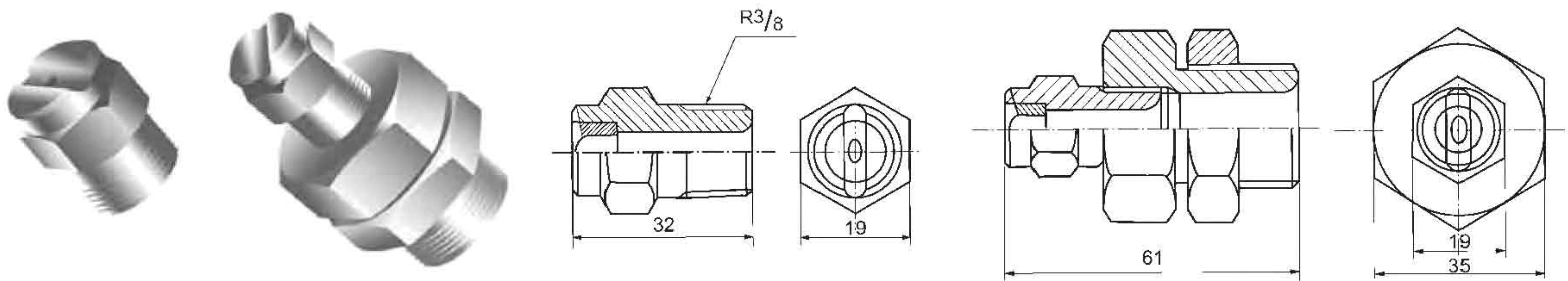
GPZ 系列高压喷嘴



High-pressure Desealing nozzle

高压除鳞喷嘴

GPZB1 型



GPZ 系列高压除鳞喷嘴性能参数表

Property Parameter of GPZ Series High-pressure Descaling Nozzle

产品型号 Model		材质 Material	MPa 压力下的流量 (L/min) Flow at MPa pressure(L/min)							喷射角 (°) Spray angle (degree)
			10.0	12.0	15.0	18.0	20.0	25.0	30.0	
GPZB1-240-27		不锈钢 碳化钨 铜 Stainless Steel Tungsten Carbide Brass	24.0	26.8	29.4	32.2	33.9	37.9	41.6	27
GPZB1-300-27			30.0	32.9	36.8	40.2	42.4	47.4	52.0	27
GPZB1-300-43			30.0	32.9	36.8	40.2	42.4	47.4	52.0	43
GPZB1-360-27			36.0	39.5	44.1	48.3	50.9	56.9	62.4	27
GPZB1-360-30			36.0	39.5	44.1	48.3	50.9	56.9	62.4	30
GPZB1-360-35			36.0	39.5	44.1	48.3	50.9	56.9	62.4	35
GPZB1-453-27			45.3	49.7	55.5	60.8	64.1	71.6	78.5	27
GPZB1-453-33			45.3	49.7	55.5	60.8	64.1	71.6	78.5	33
GPZB1-453-35			45.3	49.7	55.5	60.8	64.1	71.6	78.5	35
GPZB1-453-43			45.3	49.7	55.5	60.8	64.1	71.6	78.5	43
GPZB1-600-25			60.0	65.7	73.5	80.5	84.9	94.9	103.9	25
GPZB1-677-27			67.7	74.2	83.0	90.8	95.7	107.0	117.3	27
GPZB1-677-33			67.7	74.2	83.0	90.8	95.7	107.0	117.3	33
GPZB1-677-35			67.7	74.2	83.0	90.8	95.7	107.0	117.3	35
GPZB1-677-37			67.7	74.2	83.0	90.8	95.7	107.0	117.3	37
GPZB1-677-43			67.7	74.2	83.0	90.8	95.7	107.0	117.3	43
GPZB1-775-25			77.5	84.9	95.0	104.0	109.6	122.5	134.2	25
GPZB1-775-35			77.5	84.9	95.0	104.0	109.6	122.5	134.2	35
GPZB1-905-27			90.5	99.2	111	121.4	128.0	143.1	156.8	27
GPZB1-905-33			90.5	99.2	111	121.4	128.0	143.1	156.8	33
GPZB1-905-35			90.5	99.2	111	121.4	128.0	143.1	156.8	35
GPZB1-905-37			90.5	99.2	111	121.4	128.0	143.1	156.8	37
GPZB1-905-40			90.5	99.2	111	121.4	128.0	143.1	156.8	40
GPZB1-905-43			90.5	99.2	111	121.4	128.0	143.1	156.8	43
GPZB1-950-25			95	104	116	127.5	134.4	150.2	164.5	25
GPZB1-1080-27			108	118	132	144.9	152.7	170.8	187.1	27
GPZB1-1080-33			108	118	132	144.9	152.7	170.8	187.1	33
GPZB1-1130-27			113	124	138	151.6	160.0	178.7	195.7	27
GPZB1-1130-35			113	124	138	151.6	160.0	178.7	195.7	35
GPZB1-1130-39			113	124	138	151.6	160.0	178.7	195.7	39
GPZB1-1130-43			113	124	138	151.6	160.0	178.7	195.7	43
GPZB1-1360-27			136	148	167	182.5	192.3	215.0	235.6	27
GPZB1-1360-35			136	148	167	182.5	192.3	215.0	235.6	35
GPZB1-1540-35			154	169	189	206.6	217.8	243.5	266.7	35
GPZB1-1800-33			180	197	220	241.5	254.6	284.6	311.8	33

High-pressure Desealing nozzle

高压除鳞喷嘴

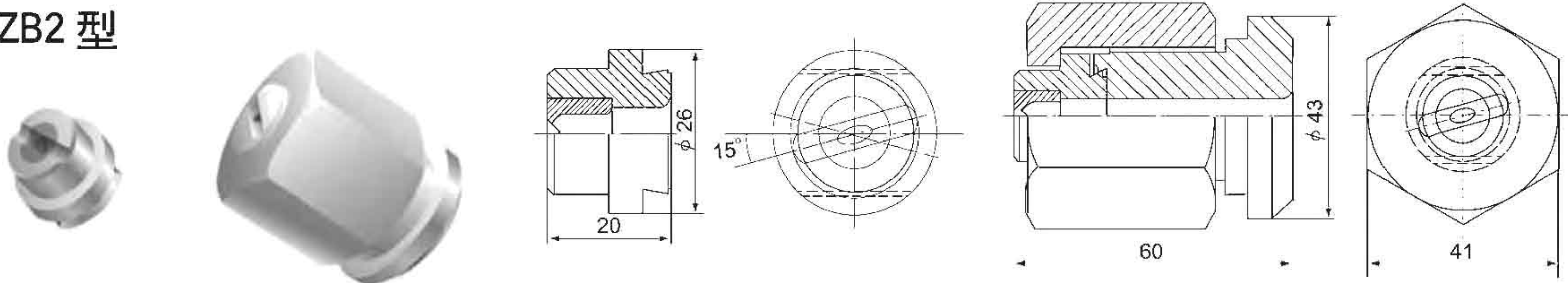
GPZB2～B4 型特点及用途

该喷嘴为一般高压除鳞喷嘴，喷头与喷嘴座采用燕尾连接形式，更换喷嘴快速准确，接口采用焊接连接，同时外形长度超短，尤其适合安装位置受严格限制的场所。

The Characteristics and Usage of Model GPZB2~B4

This is a kind of common high-pressure descaling nozzle. The sprinkle head is connected with the body by swallowtail, quick and accurate to replace the sprinkles. The nozzles are welded and the outside length is super short, which makes it more suitable to be installed in the strictly limited space.

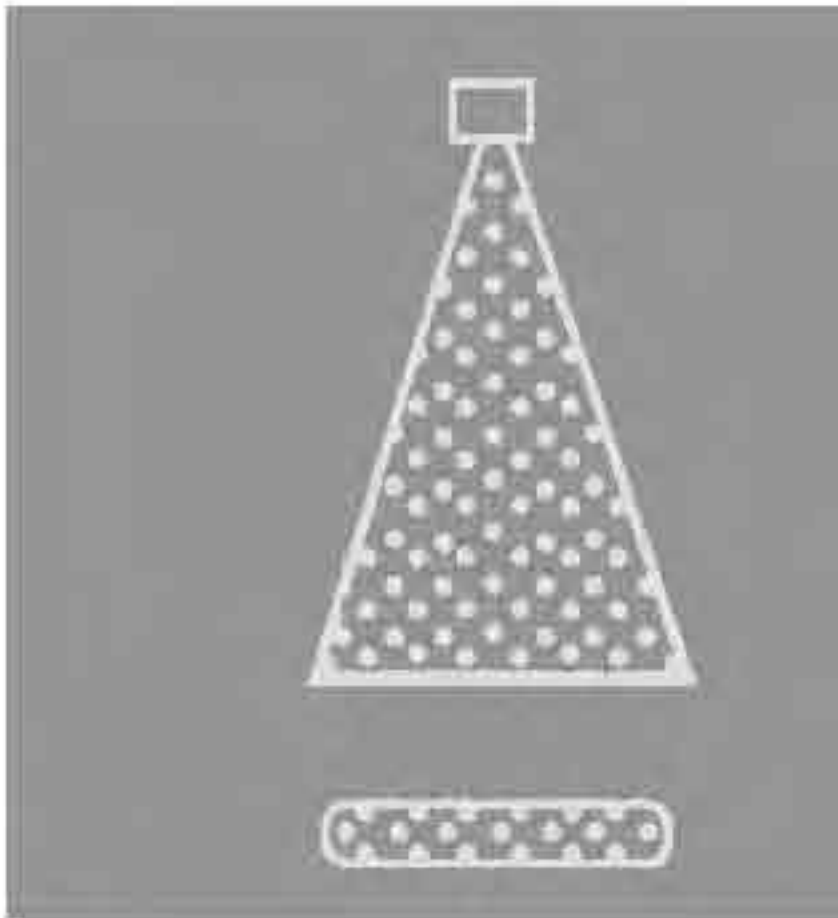
GPZB2 型



GPZ 系列高压除鳞喷嘴性能参数表

Property Parameter of GPZ Series High-pressure Descaling Nozzle

产品型号 Model		材质 Material	MPa 压力下的流量 (L/min) Flow at MPa pressure(L/min)							喷射角 (°) Spray angle (degree)
			10.0	12.0	15.0	18.0	20.0	25.0	30.0	
GPZB2-240-27		不锈钢	24.0	26.8	29.4	32.2	33.9	37.9	41.6	27
GPZB2-300-27			30.0	32.9	36.8	40.2	42.4	47.4	52.0	27
GPZB2-300-43			30.0	32.9	36.8	40.2	42.4	47.4	52.0	43
GPZB2-360-27			36.0	39.5	44.1	48.3	50.9	56.9	62.4	27
GPZB2-360-30			36.0	39.5	44.1	48.3	50.9	56.9	62.4	30
GPZB2-360-35			36.0	39.5	44.1	48.3	50.9	56.9	62.4	35
GPZB2-453-27			45.3	49.7	55.5	60.8	64.1	71.6	78.5	27
GPZB2-453-33			45.3	49.7	55.5	60.8	64.1	71.6	78.5	33
GPZB2-453-35			45.3	49.7	55.5	60.8	64.1	71.6	78.5	35
GPZB2-453-43			45.3	49.7	55.5	60.8	64.1	71.6	78.5	43
GPZB2-600-25			60.0	65.7	73.5	80.5	84.9	94.9	103.9	25
GPZB2-677-27			67.7	74.2	83.0	90.8	95.7	107.0	117.3	27
GPZB2-677-33			67.7	74.2	83.0	90.8	95.7	107.0	117.3	33
GPZB2-677-35			67.7	74.2	83.0	90.8	95.7	107.0	117.3	35
GPZB2-677-37			67.7	74.2	83.0	90.8	95.7	107.0	117.3	37
GPZB2-677-43			67.7	74.2	83.0	90.8	95.7	107.0	117.3	43
GPZB2-775-25		铜	77.5	84.9	95.0	104.0	109.6	122.5	134.2	25
GPZB2-775-35			77.5	84.9	95.0	104.0	109.6	122.5	134.2	35
GPZB2-905-27		Tungsten Carbide	90.5	99.2	111	121.4	128.0	143.1	156.8	27
GPZB2-905-33			90.5	99.2	111	121.4	128.0	143.1	156.8	33
GPZB2-905-35		Brass	90.5	99.2	111	121.4	128.0	143.1	156.8	35
GPZB2-905-37			90.5	99.2	111	121.4	128.0	143.1	156.8	37
GPZB2-905-40			90.5	99.2	111	121.4	128.0	143.1	156.8	40
GPZB2-905-43			90.5	99.2	111	121.4	128.0	143.1	156.8	43
GPZB2-950-25			95	104	116	127.5	134.4	150.2	164.5	25
GPZB2-1080-27			108	118	132	144.9	152.7	170.8	187.1	27
GPZB2-1080-33			108	118	132	144.9	152.7	170.8	187.1	33
GPZB2-1130-27		Stainless Steel	113	124	138	151.6	160.0	178.7	195.7	27
GPZB2-1130-35			113	124	138	151.6	160.0	178.7	195.7	35
GPZB2-1130-39			113	124	138	151.6	160.0	178.7	195.7	39
GPZB2-1130-43			113	124	138	151.6	160.0	178.7	195.7	43
GPZB2-1360-27			136	148	167	182.5	192.3	215.0	235.6	27
GPZB2-1360-35			136	148	167	182.5	192.3	215.0	235.6	35
GPZB2-1540-35			154	169	189	206.6	217.8	243.5	266.7	35
GPZB2-1800-33			180	197	220	241.5	254.6	284.6	311.8	33



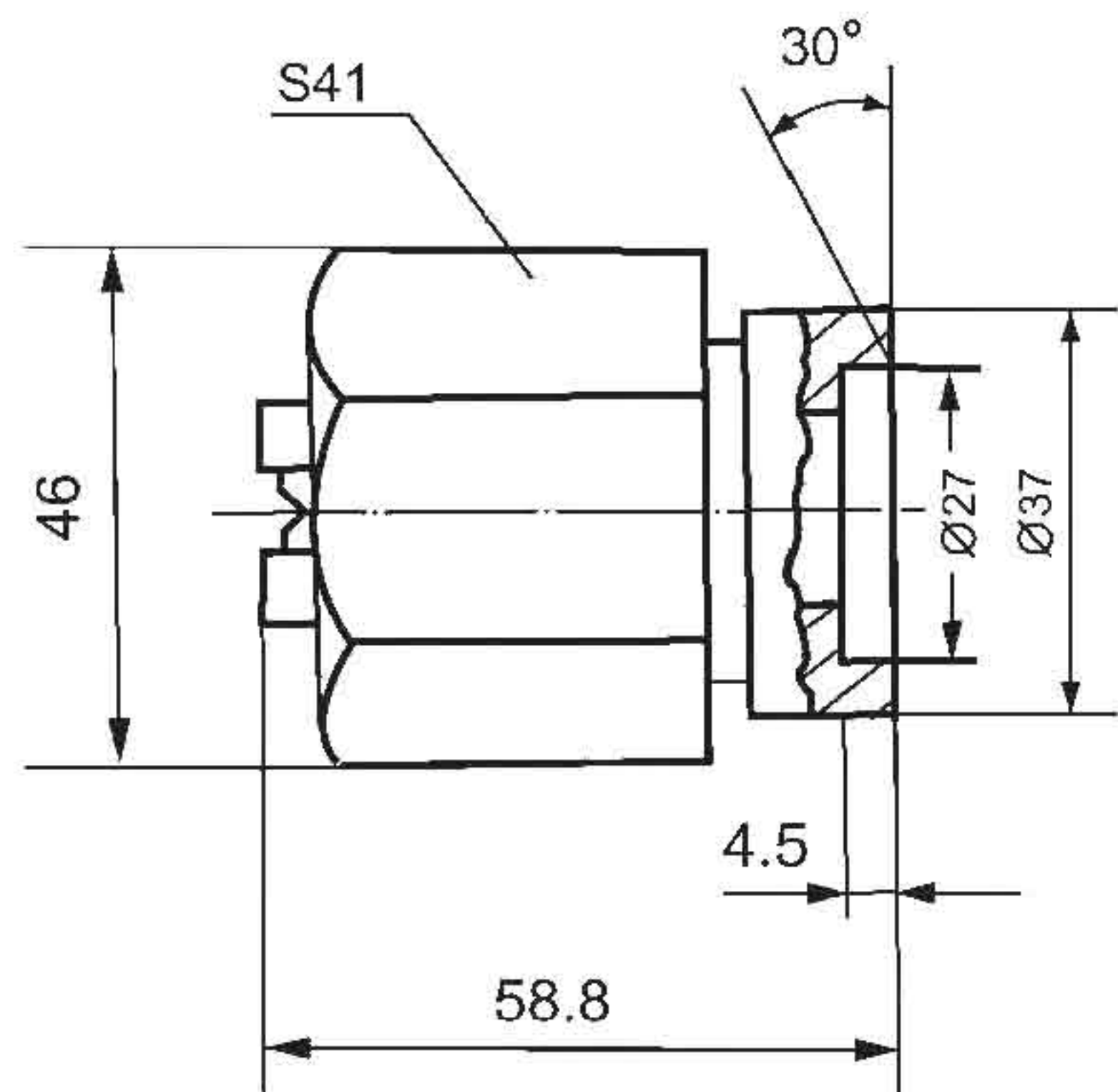
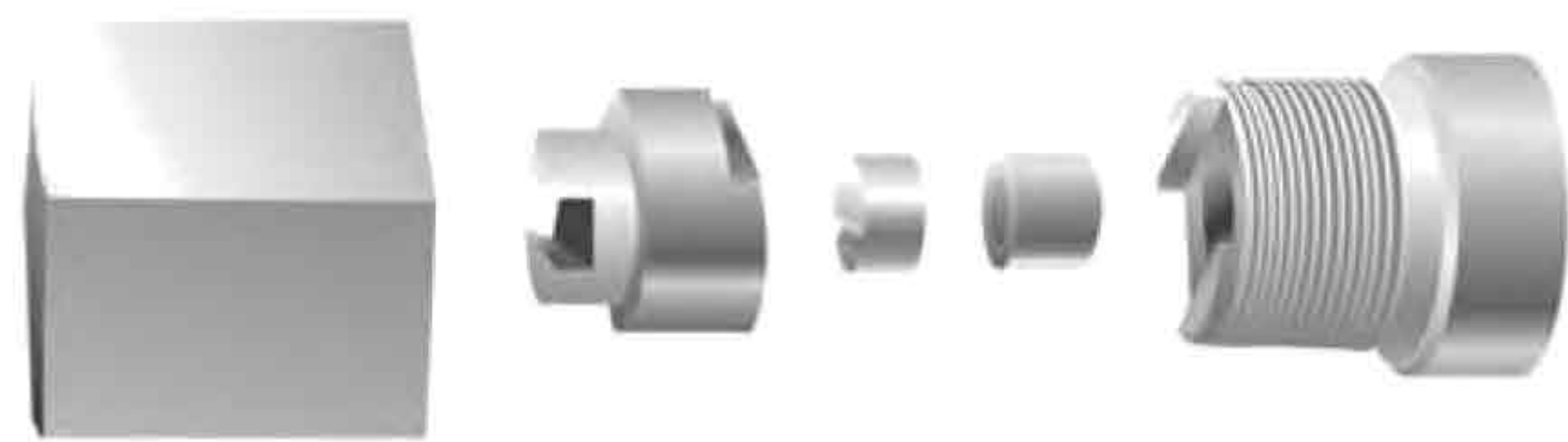
High-pressure Desealing nozzle

高压除鳞喷嘴

GPZ series high-pressure nozzle

GPZ 系列高压喷嘴

GPZB3 型



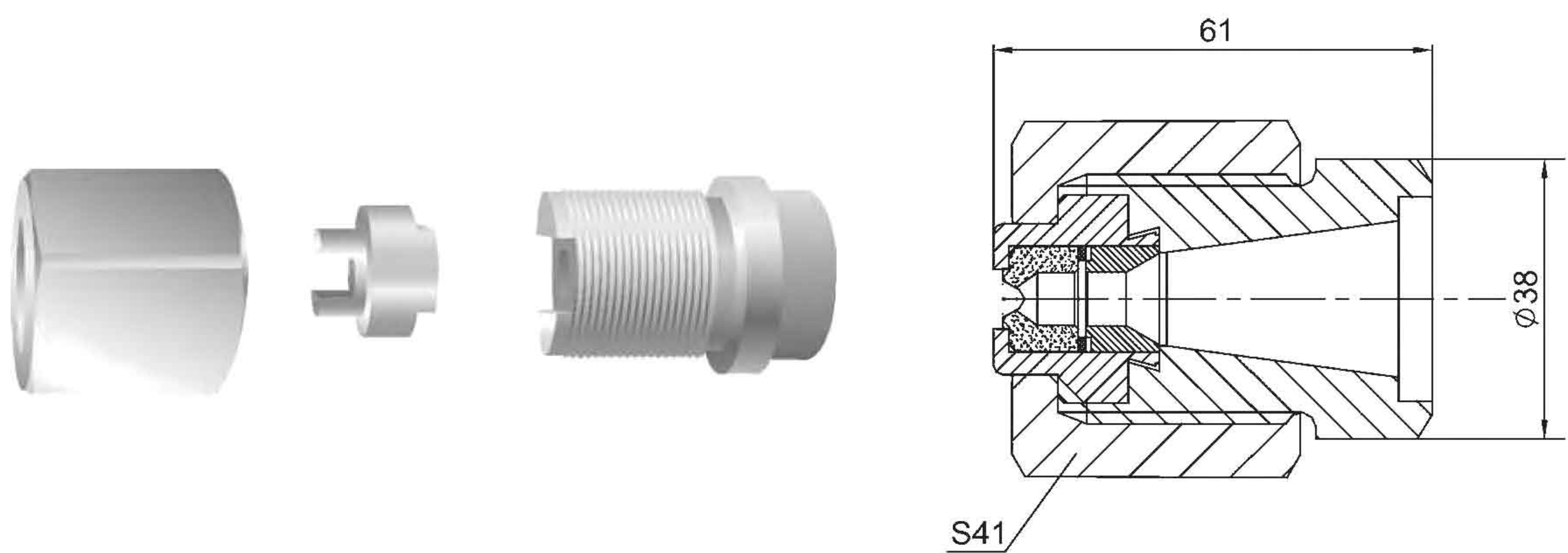
GPZ 系列高压除鳞喷嘴性能参数表

Property Parameter of GPZ Series High-pressure Descaling Nozzle

产品型号 Model		材质 Material	MPa 压力下的流量 (L/min) Flow at MPa pressure(L/min)							喷射角 (°) Spray angle (degree)
			10.0	12.0	15.0	18.0	20.0	25.0	30.0	
GPZB3-180-26		不锈钢	18.0	19.7	22.0	24.2	25.5	28.5	31.2	26
GPZB3-280-26			28.0	30.7	34.3	37.6	39.6	44.3	48.5	
GPZB3-450-26			45.0	49.3	55.1	60.4	63.6	71.2	77.9	
GPZB3-720-26			72.0	78.8	88.2	96.6	101.8	113.8	125.0	
GPZB3-890-26			89.0	97.5	109.0	119.4	125.9	140.7	154.0	
GPZB3-1120-26			112.0	122.7	137.2	150.3	158.4	177.1	193.0	
GPZB3-1250-26			125.0	136.9	153.1	167.7	176.8	197.6	217.0	
GPZB3-1340-26			134.0	146.8	164.1	179.8	189.5	211.9	232.0	
GPZB3-180-30		碳化钨	18.0	19.7	22.0	24.2	25.5	28.5	31.2	30
GPZB3-280-30			28.0	30.7	34.3	37.6	39.6	44.3	48.5	
GPZB3-450-30			45.0	49.3	55.1	60.4	63.6	71.2	77.9	
GPZB3-720-30			72.0	78.8	88.2	96.6	101.8	113.8	125.0	
GPZB3-890-30			89.0	97.5	109.0	119.4	125.9	140.7	154.0	
GPZB3-1120-30			112.0	122.7	137.2	150.3	158.4	177.1	193.0	
GPZB3-1250-30			125.0	136.9	153.1	167.7	176.8	197.6	217.0	
GPZB3-1340-30			134.0	146.8	164.1	179.8	189.5	211.9	232.0	
GPZB3-180-40		铜	18.0	19.7	22.0	24.2	25.5	28.5	31.2	40
GPZB3-280-40			28.0	30.7	34.3	37.6	39.6	44.3	48.5	
GPZB3-450-40			45.0	49.3	55.1	60.4	63.6	71.2	77.9	
GPZB3-720-40			72.0	78.8	88.2	96.6	101.8	113.8	125.0	
GPZB3-890-40			89.0	97.5	109.0	119.4	125.9	140.7	154.0	
GPZB3-1120-40			112.0	122.7	137.2	150.3	158.4	177.1	193.0	
GPZB3-1250-40			125.0	136.9	153.1	167.7	176.8	197.6	217.0	
GPZB3-1340-40			134.0	146.8	164.1	179.8	189.5	211.9	232.0	

High-pressure Desealing nozzle

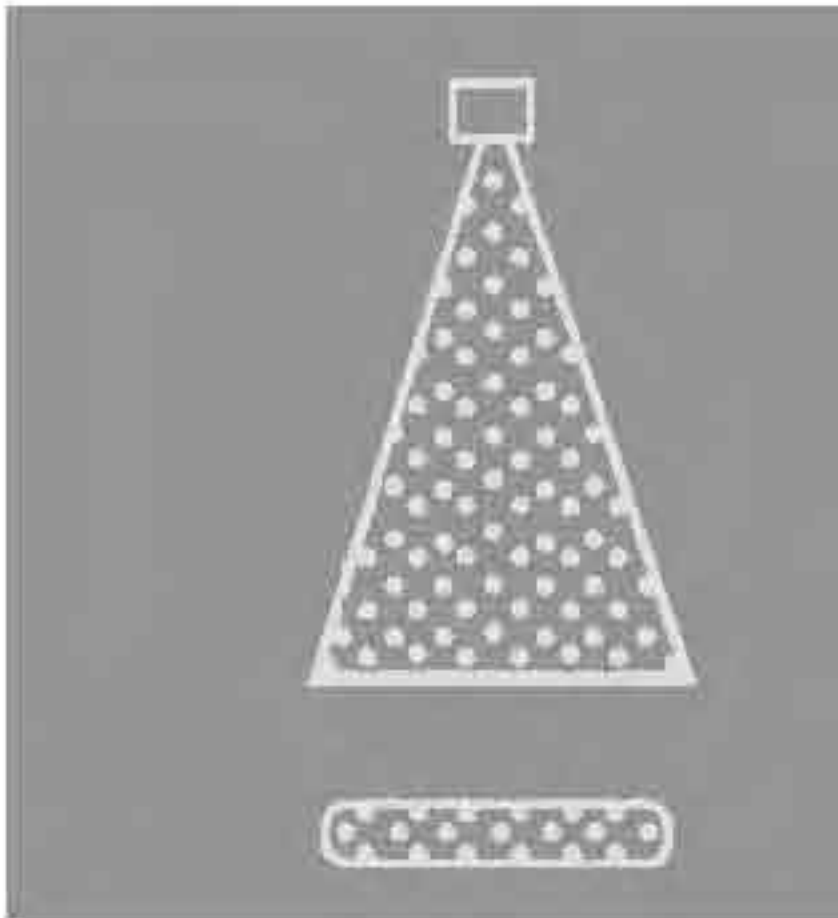
高压除鳞喷嘴



GPZ 系列高压除鳞喷嘴性能参数表

Property Parameter of GPZ Series High-pressure Descaling Nozzle

产品型号 Model		材质 Material	MPa 压力下的流量 (L/min) Flow at MPa pressure(L/min)							喷射角 (°) Spray angle (degree)
			10.0	12.0	15.0	18.0	20.0	25.0	30.0	
GPZB4-179-26		不锈钢	17.9	19.6	21.9	24.0	25.3	28.3	31.0	26
GPZB4-270-26			27.0	29.6	33.1	36.2	38.2	42.7	46.8	
GPZB4-454-26			45.4	49.7	55.6	60.9	64.2	71.8	78.6	
GPZB4-675-26			67.5	73.9	82.7	90.6	95.5	106.7	116.9	
GPZB4-902-26			90.2	98.8	110.5	121.0	127.6	142.6	156.2	
GPZB4-1129-26			112.9	123.7	138.3	151.5	159.7	178.5	195.5	
GPZB4-1243-26			124.3	136.2	152.2	166.8	175.8	196.5	215.3	
GPZB4-1357-26			135.7	148.7	166.2	182.1	191.9	214.6	235.0	
GPZB4-179-30		碳化钨	17.9	19.6	21.9	24.0	25.3	28.3	31.0	30
GPZB4-270-30			27.0	29.6	33.1	36.2	38.2	42.7	46.8	
GPZB4-454-30			45.4	49.7	55.6	60.9	64.2	71.8	78.6	
GPZB4-675-30			67.5	73.9	82.7	90.6	95.5	106.7	116.9	
GPZB4-902-30			90.2	98.8	110.5	121.0	127.6	142.6	156.2	
GPZB4-1129-30			112.9	123.7	138.3	151.5	159.7	178.5	195.5	
GPZB4-1243-30			124.3	136.2	152.2	166.8	175.8	196.5	215.3	
GPZB4-1357-30			135.7	148.7	166.2	182.1	191.9	214.6	235.0	
GPZB4-179-40		铜	17.9	19.6	21.9	24.0	25.3	28.3	31.0	40
GPZB4-270-40			27.0	29.6	33.1	36.2	38.2	42.7	46.8	
GPZB4-454-40			45.4	49.7	55.6	60.9	64.2	71.8	78.6	
GPZB4-675-40			67.5	73.9	82.7	90.6	95.5	106.7	116.9	
GPZB4-902-40			90.2	98.8	110.5	121.0	127.6	142.6	156.2	
GPZB4-1129-40			112.9	123.7	138.3	151.5	159.7	178.5	195.5	
GPZB4-1243-40			124.3	136.2	152.2	166.8	175.8	196.5	215.3	
GPZB4-1357-40			135.7	148.7	166.2	182.1	191.9	214.6	235.0	



High-pressure Desealing nozzle

高压除鳞喷嘴

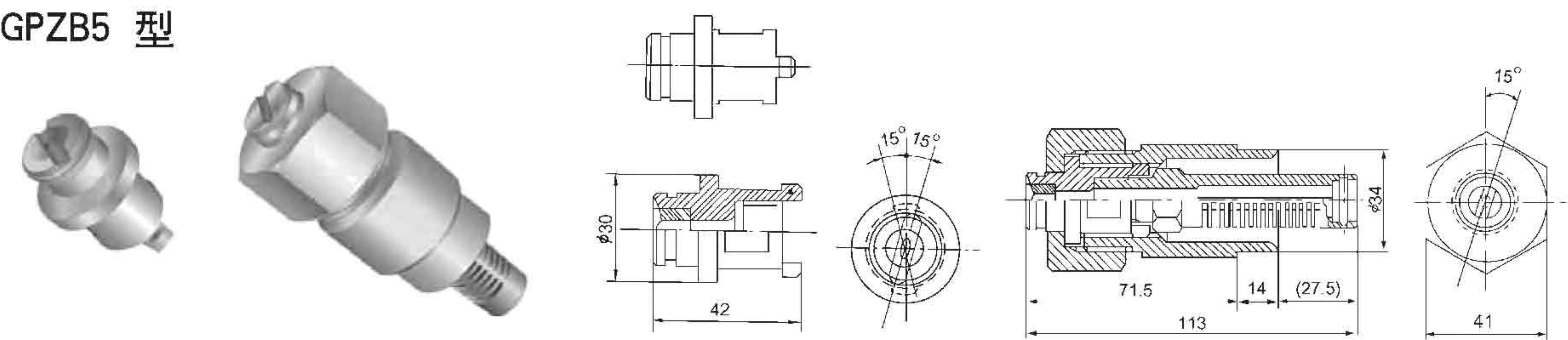
GPZB5~B10 型特性及用途

该喷嘴为强力喷嘴，其结构较一般喷嘴增加了整流装置，经整流后的高压水流态，基本为层流态，喷射出的呈扇形的高速水帘较一般喷嘴打击力大大增强，打击力的分布较均匀，接口为焊接，体积较大，适用于对安装位置尺寸要求不高的场合。

The Characteristics and Usage of Model GPZB5~B10

This is a kind of nozzle of brute force. Rectifying device is added in the structure. The high-pressure flow state after rectifying is basically laminar flow state. The striking force of the high-speed nappe in sector shape sprayed by it is much more increased than common nozzles and the distribution of the striking force is more equal. The nozzles are welded and the cubage is larger. They are suitable to be installed in larger size of space.

GPZB5 型



GPZ 系列高压除鳞喷嘴性能参数表

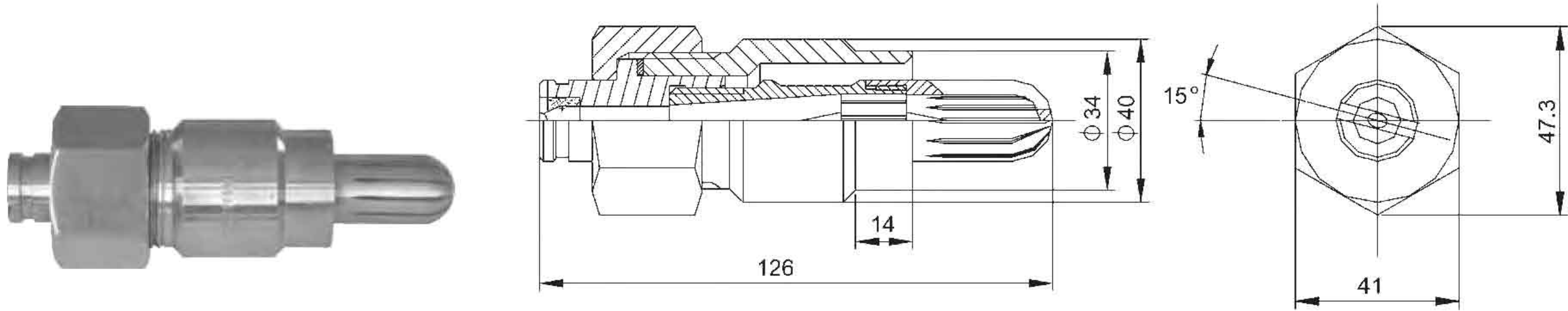
Property Parameter of GPZ Series High-pressure Descaling Nozzle

产品型号 Model	材质 Material	MPa 压力下的流量 (L/min) Flow at MPa pressure(L/min)								喷射角 (°) Spray angle (degree)
		10.0	12.0	15.0	18.0	20.0	25.0	30.0	50.0	
GPZB5-240-27	不锈钢	24.0	26.3	29.4	32.2	33.9	37.9	41.6	53.7	27
GPZB5-300-27		30.0	32.9	36.8	40.2	42.4	47.4	52.0	67.0	27
GPZB5-300-43		30.0	32.9	36.8	40.2	42.4	47.4	52.0	67.0	43
GPZB5-360-27		36.0	39.5	44.1	48.3	50.9	56.9	62.4	80.5	27
GPZB5-360-30		36.0	39.5	44.1	48.3	50.9	56.9	62.4	80.5	30
GPZB5-360-35		36.0	39.5	44.1	48.3	50.9	56.9	62.4	80.5	35
GPZB5-453-27		45.3	49.7	55.5	60.8	64.1	71.6	78.5	101.3	27
GPZB5-453-33		45.3	49.7	55.5	60.8	64.1	71.6	78.5	101.3	33
GPZB5-453-35		45.3	49.7	55.5	60.8	64.1	71.6	78.5	101.3	35
GPZB5-453-43		45.3	49.7	55.5	60.8	64.1	71.6	78.5	101.3	43
GPZB5-600-25	碳化钨	60.0	65.7	73.5	80.5	84.9	94.9	103.9	134.2	25
GPZB5-677-27		67.7	74.2	83.0	90.8	95.7	107.0	117.3	151.4	27
GPZB5-677-33	铜	67.7	74.2	83.0	90.8	95.7	107.0	117.3	151.4	33
GPZB5-677-35		67.7	74.2	83.0	90.8	95.7	107.0	117.3	151.4	35
GPZB5-677-37	Stainless Steel	67.7	74.2	83.0	90.8	95.7	107.0	117.3	151.4	37
GPZB5-677-43		67.7	74.2	83.0	90.8	95.7	107.0	117.3	151.4	43
GPZB5-775-25	Tungsten Carbide	77.5	84.9	95.0	104.0	109.6	122.5	134.2	173.3	25
GPZB5-775-35		77.5	84.9	95.0	104.0	109.6	122.5	134.2	173.3	35
GPZB5-905-27	Brass	90.5	99.2	111	121.4	128.0	143.1	156.8	202.4	27
GPZB5-905-33		90.5	99.2	111	121.4	128.0	143.1	156.8	202.4	33
GPZB5-905-35		90.5	99.2	111	121.4	128.0	143.1	156.8	202.4	35
GPZB5-905-37		90.5	99.2	111	121.4	128.0	143.1	156.8	202.4	37
GPZB5-905-40		90.5	99.2	111	121.4	128.0	143.1	156.8	202.4	40
GPZB5-905-43		90.5	99.2	111	121.4	128.0	143.1	156.8	202.4	43
GPZB5-950-25		95	104	116	127.5	134.4	150.2	164.5	212.4	25
GPZB5-1080-27		108	118	132	144.9	152.7	170.8	187.1	241.5	27
GPZB5-1080-33		108	118	132	144.9	152.7	170.8	187.1	241.5	33
GPZB5-1130-27		113	124	138	151.6	160.0	178.7	195.7	252.7	27
GPZB5-1130-35		113	124	138	151.6	160.0	178.7	195.7	252.7	35
GPZB5-1130-39		113	124	138	151.6	160.0	178.7	195.7	252.7	39
GPZB5-1130-43		113	124	138	151.6	160.0	178.7	195.7	252.7	43
GPZB5-1360-27		136	148	167	182.5	192.3	215.0	235.6	304.1	27
GPZB5-1360-35		136	148	167	182.5	192.3	215.0	235.6	304.1	35
GPZB5-1540-35		154	169	189	206.6	217.8	243.5	266.7	344.4	35
GPZB5-1800-33		180	197	220	241.5	254.6	284.6	311.8	402.5	33

High-pressure Desealing nozzle

高压除鳞喷嘴

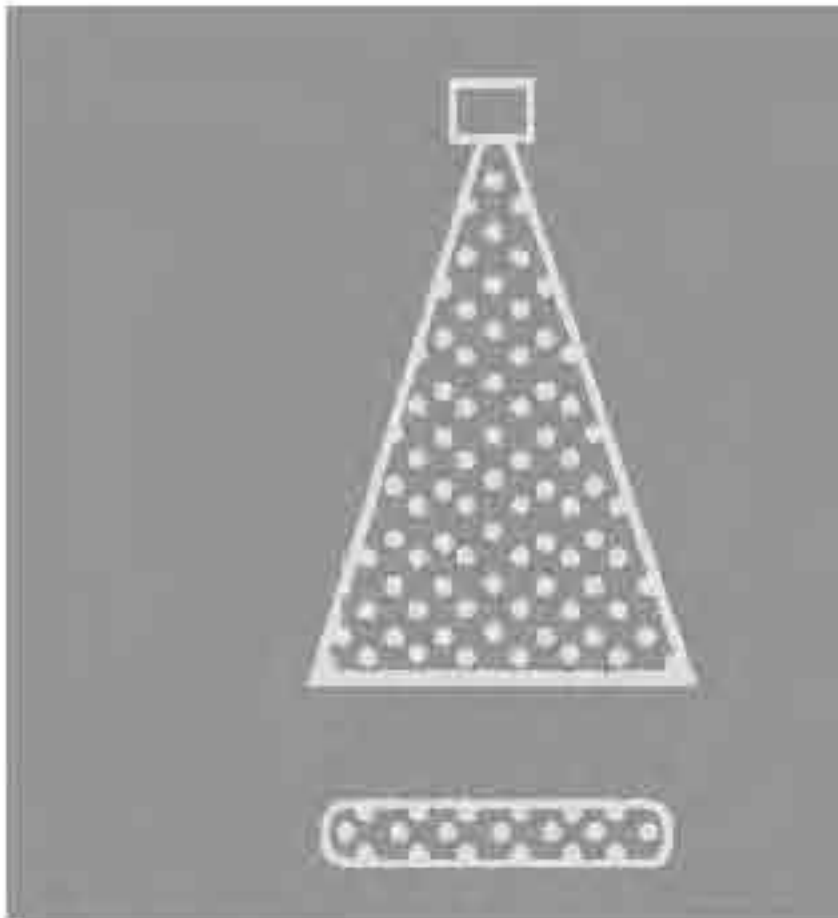
GPZB6 型



GPZ 系列高压除鳞喷嘴性能参数表

Property Parameter of GPZ Series High-pressure Descaling Nozzle

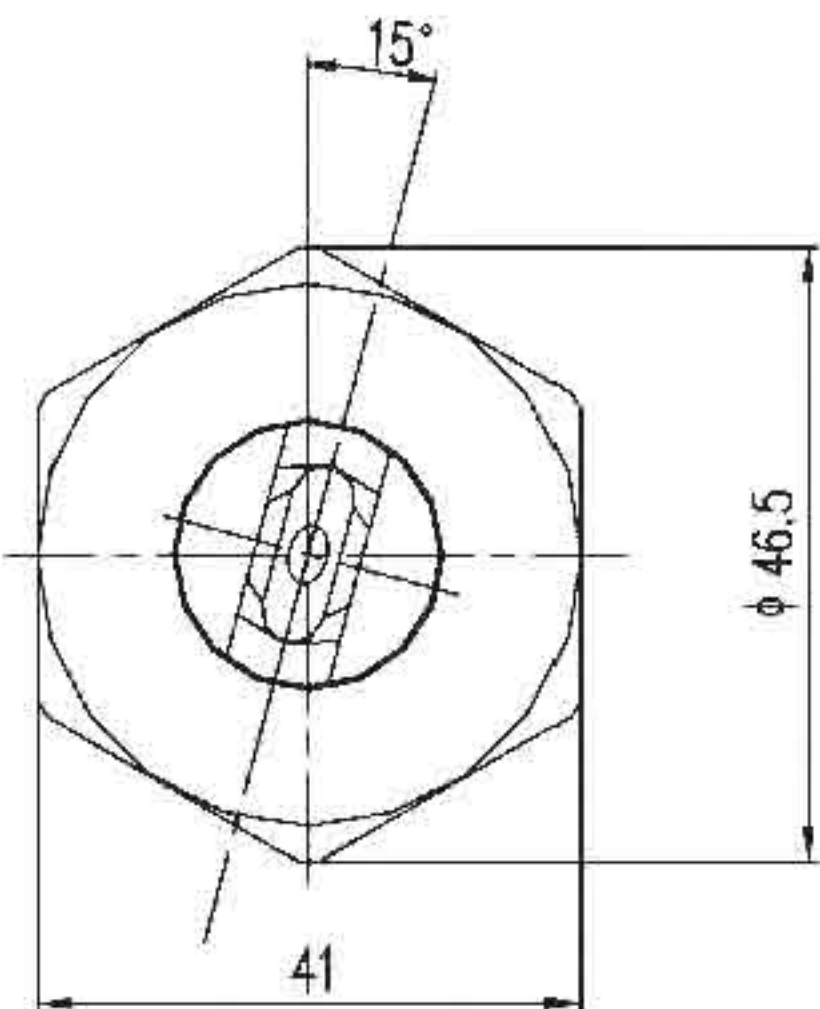
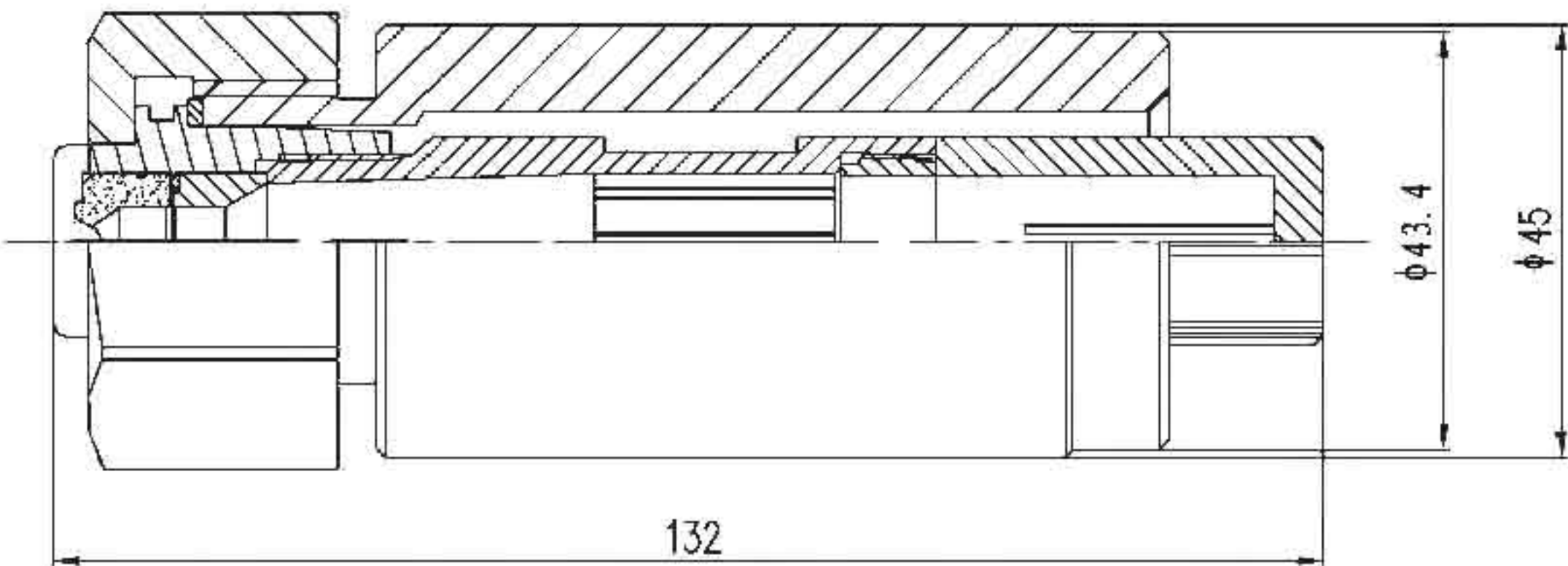
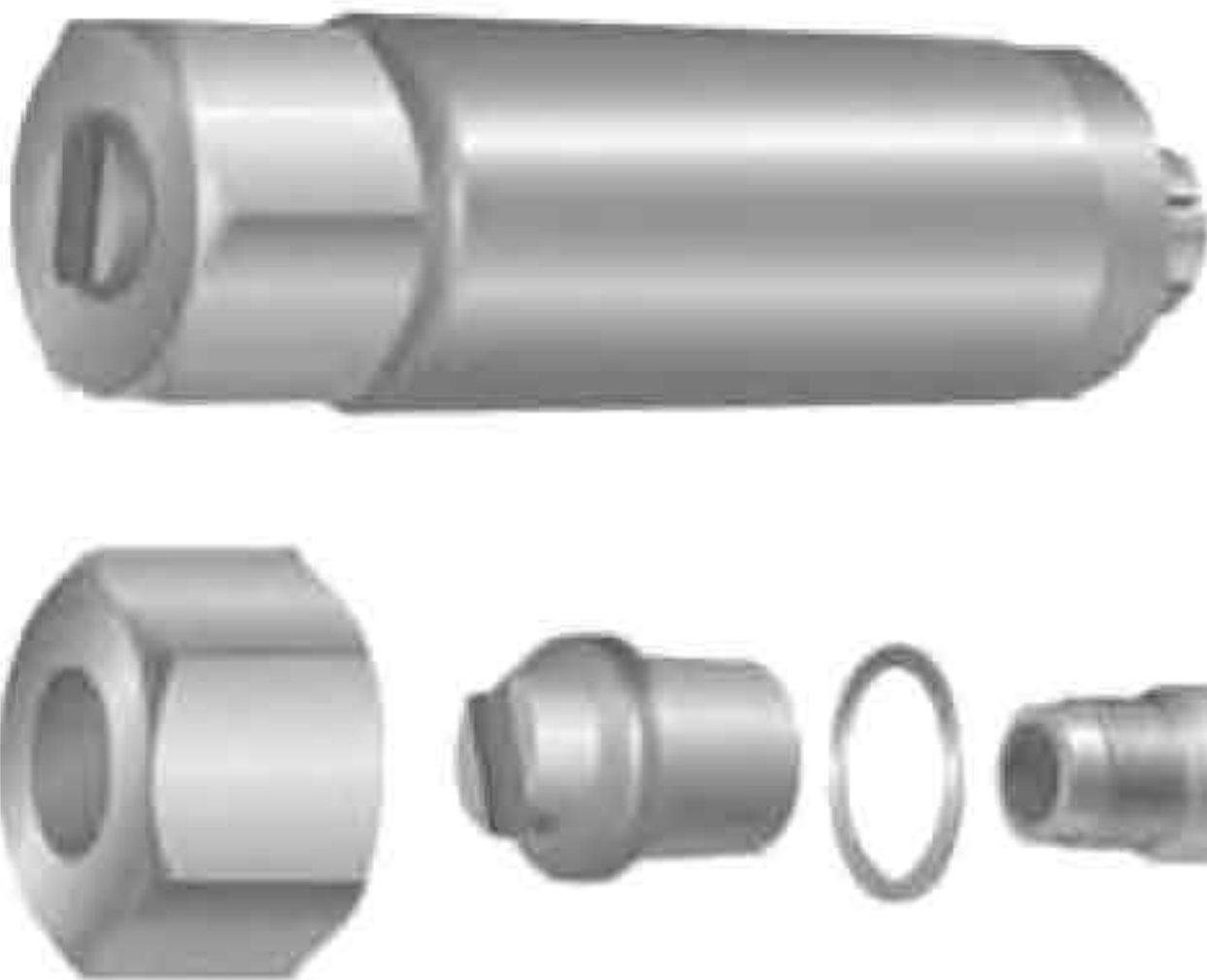
产品型号 Model		材质 Material	MPa 压力下的流量 (L/min) Flow at MPa pressure(L/min)								喷射角 (°) Spray angle (degree)
			10.0	12.0	15.0	18.0	20.0	25.0	30.0	50.0	
GPZB6-240-27		不锈钢	24.0	26.3	29.4	32.2	33.9	37.9	41.6	53.7	27
GPZB6-300-27			30.0	32.9	36.8	40.2	42.4	47.4	52.0	67.0	27
GPZB6-300-43			30.0	32.9	36.8	40.2	42.4	47.4	52.0	67.0	43
GPZB6-360-27			36.0	39.5	44.1	48.3	50.9	56.9	62.4	80.5	27
GPZB6-360-30			36.0	39.5	44.1	48.3	50.9	56.9	62.4	80.5	30
GPZB6-360-35			36.0	39.5	44.1	48.3	50.9	56.9	62.4	80.5	35
GPZB6-453-27			45.3	49.7	55.5	60.8	64.1	71.6	78.5	101.3	27
GPZB6-453-33			45.3	49.7	55.5	60.8	64.1	71.6	78.5	101.3	33
GPZB6-453-35			45.3	49.7	55.5	60.8	64.1	71.6	78.5	101.3	35
GPZB6-453-43			45.3	49.7	55.5	60.8	64.1	71.6	78.5	101.3	43
GPZB6-600-25			60.0	65.7	73.5	80.5	84.9	94.9	103.9	134.2	25
GPZB6-677-27			67.7	74.2	83.0	90.8	95.7	107.0	117.3	151.4	27
GPZB6-677-33			67.7	74.2	83.0	90.8	95.7	107.0	117.3	151.4	33
GPZB6-677-35			67.7	74.2	83.0	90.8	95.7	107.0	117.3	151.4	35
GPZB6-677-37			67.7	74.2	83.0	90.8	95.7	107.0	117.3	151.4	37
GPZB6-677-43			67.7	74.2	83.0	90.8	95.7	107.0	117.3	151.4	43
GPZB6-775-25		铜	77.5	84.9	95.0	104.0	109.6	122.5	134.2	173.3	25
GPZB6-775-35			77.5	84.9	95.0	104.0	109.6	122.5	134.2	173.3	35
GPZB6-905-27		Stainless Steel	90.5	99.2	111	121.4	128.0	143.1	156.8	202.4	27
GPZB6-905-33		Tungsten Carbide	90.5	99.2	111	121.4	128.0	143.1	156.8	202.4	33
GPZB6-905-35		Brass	90.5	99.2	111	121.4	128.0	143.1	156.8	202.4	35
GPZB6-905-37			90.5	99.2	111	121.4	128.0	143.1	156.8	202.4	37
GPZB6-905-40			90.5	99.2	111	121.4	128.0	143.1	156.8	202.4	40
GPZB6-905-43			90.5	99.2	111	121.4	128.0	143.1	156.8	202.4	43
GPZB6-950-25			95	104	116	127.5	134.4	150.2	164.5	212.4	25
GPZB6-1080-27			108	118	132	144.9	152.7	170.8	187.1	241.5	27
GPZB6-1080-33			108	118	132	144.9	152.7	170.8	187.1	241.5	33
GPZB6-1130-27			113	124	138	151.6	160.0	178.7	195.7	252.7	27
GPZB6-1130-35			113	124	138	151.6	160.0	178.7	195.7	252.7	35
GPZB6-1130-39			113	124	138	151.6	160.0	178.7	195.7	252.7	39
GPZB6-1130-43			113	124	138	151.6	160.0	178.7	195.7	252.7	43
GPZB6-1360-27			136	148	167	182.5	192.3	215.0	235.6	304.1	27
GPZB6-1360-35			136	148	167	182.5	192.3	215.0	235.6	304.1	35
GPZB6-1540-35			154	169	189	206.6	217.8	243.5	266.7	344.4	35
GPZB6-1800-33			180	197	220	241.5	254.6	284.6	311.8	402.5	33



High-pressure Desealing nozzle

高压除鳞喷嘴

GPZB7、GPZB8 型



GPZ 系列高压除鳞喷嘴性能参数表

Property Parameter of GPZ Series High-pressure Descaling Nozzle

产品型号 Model	材质 Material	MPa 压力下的流量 (L/min) Flow at MPa pressure(L/min)								喷射角 (°) Spray angle (degree)
		10.0	12.0	15.0	18.0	20.0	25.0	30.0	50.0	
GPZB7-120-22	不锈钢	12.0	13.1	14.7	16.1	17.0	19.0	20.8	26.8	22
GPZB7-150-22		15.0	16.4	18.4	20.1	21.2	23.7	26	33.5	
GPZB7-180-22		18.0	19.7	22.0	24.2	25.5	28.5	31.2	40.2	
GPZB7-230-22		23.0	25.2	28.2	30.9	32.5	36.4	39.8	51.4	
GPZB7-280-22		28.0	30.7	34.3	37.6	39.6	44.3	48.5	62.6	
GPZB7-360-22		36.0	39.4	44.1	48.3	50.9	57.0	62.4	80.5	
GPZB7-450-22		45.0	49.3	55.1	60.4	63.6	71.2	77.9	100.6	
GP7R7-580-22		58.0	63.5	71.0	77.8	82.0	91.7	100.5	129.7	
GP7R7-720-22		72.0	78.9	88.2	96.6	102.0	114.0	125.0	161.0	
GPZB7-890-22		89.0	97.5	109.0	119.0	126.0	141.0	154.0	199.0	
GPZB7-1120-22		112.0	123.0	137.0	150.0	158.0	177.0	193.0	250.4	
GPZB7-120-26	碳化钨	12.0	13.1	14.7	16.1	17.0	19.0	20.8	26.8	26
GPZB7-150-26		15.0	16.4	18.4	20.1	21.2	23.7	26	33.5	
GPZB7-180-26		18.0	19.7	22.0	24.2	25.5	28.5	31.2	40.2	
GPZB7-230-26		23.0	25.2	28.2	30.9	32.5	36.4	39.8	51.4	
GPZB7-280-26		28.0	30.7	34.3	37.6	39.6	44.3	48.5	62.6	
GPZB7-360-26		36.0	39.4	44.1	48.3	50.9	57.0	62.4	80.5	
GPZB7-450-26		45.0	49.3	55.1	60.4	63.6	71.2	77.9	100.6	
GPZB7-580-26		58.0	63.5	71.0	77.8	82.0	91.7	100.5	129.7	
GPZB7-720-26		72.0	78.9	88.2	96.6	102.0	114.0	125.0	161.0	
GPZB7-890-26		89.0	97.5	109.0	119.0	126.0	141.0	154.0	199.0	
GPZB7-1120-26		112.0	123.0	137.0	150.0	158.0	177.0	193.0	250.4	
GPZB7-1250-26	铜	125.0	137.0	153.0	168.0	177.0	198.0	217.0	279.5	30
GPZB7-1340-26		134.0	147.0	164.0	180.0	190.0	212.0	232.0	299.6	
GPZB7-120-30	Stainless Steel	12.0	13.1	14.7	16.1	17.0	19.0	20.8	26.8	
GPZB7-150-30		15.0	16.4	18.4	20.1	21.2	23.7	26.0	33.5	
GPZB7-180-30		18.0	19.7	22.0	24.2	25.5	28.5	31.2	40.2	
GPZB7-230-30		23.0	25.2	28.2	30.9	32.5	36.4	39.8	51.4	
GPZB7-280-30		28.0	30.7	34.3	37.6	39.6	44.3	48.5	62.6	
GPZB7-360-30		36.0	39.4	44.1	48.3	50.9	57.0	62.4	80.5	
GPZB7-450-30		45.0	49.3	55.1	60.4	63.6	71.2	77.9	100.6	
GPZB7-580-30		58.0	63.5	71.0	77.8	82.0	91.7	100.5	129.7	
GPZB7-720-30		72.0	78.9	88.2	96.6	102.0	114.0	125.0	161.0	
GPZB7-890-30		89.0	97.5	109.0	119.0	126.0	141.0	154.0	199.0	
GPZB7-1120-30		112.0	123.0	137.0	150.0	158.0	177.0	193.0	250.4	
GPZB7-1250-30	Tungsten Carbide	125.0	137.0	153.0	168.0	177.0	198.0	217.0	279.5	40
GPZB7-1340-30		134.0	147.0	164.0	180.0	190.0	212.0	232.0	299.6	
GPZB7-120-40	Brass	12.0	13.1	14.7	16.1	17.0	19.0	20.8	26.8	
GPZB7-150-40		15.0	16.4	18.4	20.1	21.2	23.7	26.0	33.5	
GPZB7-180-40		18.0	19.7	22.0	24.2	25.5	28.5	31.2	40.2	
GPZB7-230-40		23.0	25.2	28.2	30.9	32.5	36.4	39.8	51.4	
GPZB7-280-40		28.0	30.7	34.3	37.6	39.6	44.3	48.5	62.6	
GPZB7-360-40		36.0	39.4	44.1	48.3	50.9	57.0	62.4	80.5	
GPZB7-450-40		45.0	49.3	55.1	60.4	63.6	71.2	77.9	100.6	
GPZB7-580-40		58.0	63.5	71.0	77.8	82.0	91.7	100.5	129.7	
GPZB7-720-40		72.0	78.9	88.2	96.6	102.0	114.0	125.0	161.0	
GPZB7-890-40		89.0	97.5	109.0	119.0	126.0	141.0	154.0	199.0	
GPZB7-1120-40		112.0	123.0	137.0	150.0	158.0	177.0	193.0	250.4	
GPZB7-1250-40		125.0	137.0	153.0	168.0	177.0	198.0	217.0	279.5	
GPZB7-1340-40		134.0	147.0	164.0	180.0	190.0	212.0	232.0	299.6	

High-pressure Desealing nozzle

高压除鳞喷嘴

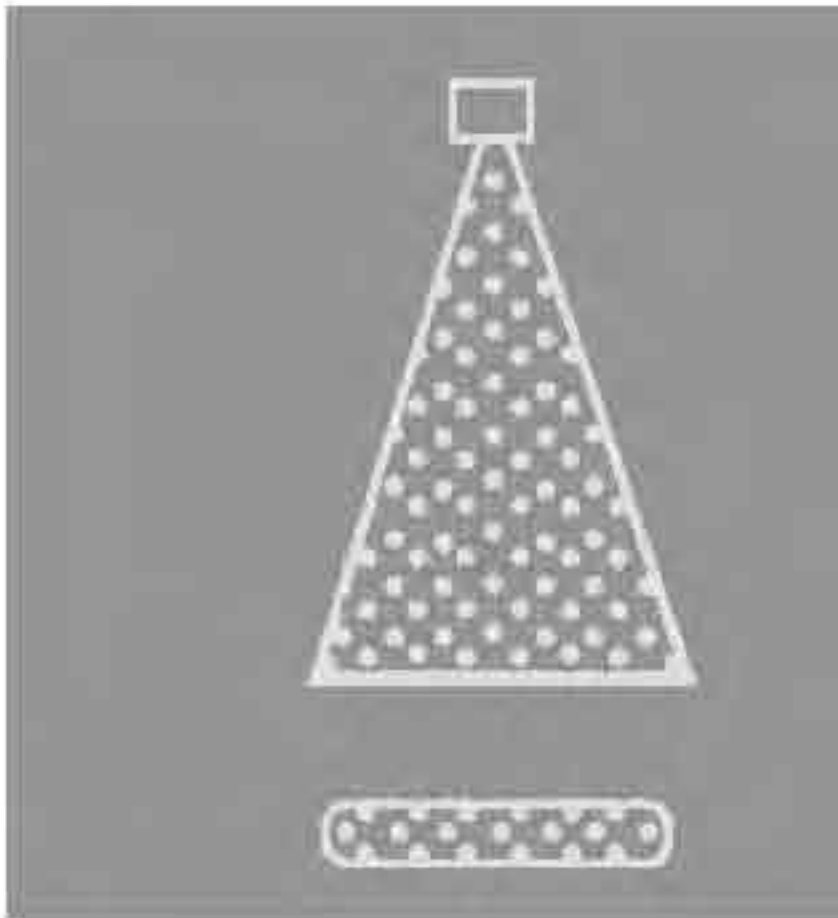
GPZ 系列高压除鳞喷嘴性能参数表

Property Parameter of GPZ Series High-pressure Descaling Nozzle

产品型号 Model		材质 Material	MPa 压力下的流量 (L/min) Flow at MPa pressure(L/min)								喷射角 (°) Spray angle (degree)
			10.0	12.0	15.0	18.0	20.0	25.0	30.0	50.0	
GPZB8-120-22		不锈钢	12.0	13.1	14.7	16.1	17.0	19.0	20.8	26.8	22
GPZB8-150-22			15.0	16.4	18.4	20.1	21.2	23.7	26	33.5	
GPZB8-180-22			18.0	19.7	22.0	24.2	25.5	28.5	31.2	40.2	
GPZB8-230-22			23.0	25.2	28.2	30.9	32.5	36.4	39.8	51.4	
GPZB8-280-22			28.0	30.7	34.3	37.6	39.6	44.3	48.5	62.6	
GPZB8-360-22			36.0	39.4	44.1	48.3	50.9	57.0	62.4	80.5	
GPZB8-450-22			45.0	49.3	55.1	60.4	63.6	71.2	77.9	100.6	
GPZB8-580-22			58.0	63.5	71.0	77.8	82.0	91.7	100.5	129.7	
GPZB8-720-22			72.0	78.9	88.2	96.6	102.0	114.0	125.0	161.0	
GPZB8-890-22			89.0	97.5	109.0	119.0	126.0	141.0	154.0	199.0	
GPZB8-1120-22			112.0	123.0	137.0	150.0	158.0	177.0	193.0	250.4	
GPZB8-120-26			12.0	13.1	14.7	16.1	17.0	19.0	20.8	26.8	26
GPZB8-150-26			15.0	16.4	18.4	20.1	21.2	23.7	26	33.5	
GPZB8-180-26			18.0	19.7	22.0	24.2	25.5	28.5	31.2	40.2	
GPZB8-230-26			23.0	25.2	28.2	30.9	32.5	36.4	39.8	51.4	
GPZB8-280-26			28.0	30.7	34.3	37.6	39.6	44.3	48.5	62.6	
GPZB8-360-26			36.0	39.4	44.1	48.3	50.9	57.0	62.4	80.5	
GPZB8-450-26			45.0	49.3	55.1	60.4	63.6	71.2	77.9	100.6	
GPZB8-580-26			58.0	63.5	71.0	77.8	82.0	91.7	100.5	129.7	
GPZB8-720-26			72.0	78.9	88.2	96.6	102.0	114.0	125.0	161.0	
GPZB8-890-26			89.0	97.5	109.0	119.0	126.0	141.0	154.0	199.0	
GPZB8-1120-26			112.0	123.0	137.0	150.0	158.0	177.0	193.0	250.4	
GPZB8-1250-26		铜	125.0	137.0	153.0	168.0	177.0	198.0	217.0	279.5	30
GPZB8-1340-26			134.0	147.0	164.0	180.0	190.0	212.0	232.0	299.6	
GPZB8-120-30		Stainless Steel	12.0	13.1	14.7	16.1	17.0	19.0	20.8	26.8	
GPZB8-150-30			15.0	16.4	18.4	20.1	21.2	23.7	26.0	33.5	
GPZB8-180-30		Tungsten Carbide	18.0	19.7	22.0	24.2	25.5	28.5	31.2	40.2	
GPZB8-230-30			23.0	25.2	28.2	30.9	32.5	36.4	39.8	51.4	
GPZB8-280-30		Brass	28.0	30.7	34.3	37.6	39.6	44.3	48.5	62.6	
GPZB8-360-30			36.0	39.4	44.1	48.3	50.9	57.0	62.4	80.5	
GPZB8-450-30			45.0	49.3	55.1	60.4	63.6	71.2	77.9	100.6	
GPZB8-580-30			58.0	63.5	71.0	77.8	82.0	91.7	100.5	129.7	
GPZB8-720-30			72.0	78.9	88.2	96.6	102.0	114.0	125.0	161.0	
GPZB8-890-30			89.0	97.5	109.0	119.0	126.0	141.0	154.0	199.0	
GPZB8-1120-30			112.0	123.0	137.0	150.0	158.0	177.0	193.0	250.4	
GPZB8-1250-30			125.0	137.0	153.0	168.0	177.0	198.0	217.0	279.5	
GPZB8-1340-30			134.0	147.0	164.0	180.0	190.0	212.0	232.0	299.6	
GPZB8-120-40		Brass	12.0	13.1	14.7	16.1	17.0	19.0	20.8	26.8	40
GPZB8-150-40			15.0	16.4	18.4	20.1	21.2	23.7	26.0	33.5	
GPZB8-180-40			18.0	19.7	22.0	24.2	25.5	28.5	31.2	40.2	
GPZB8-230-40			23.0	25.2	28.2	30.9	32.5	36.4	39.8	51.4	
GPZB8-280-40			28.0	30.7	34.3	37.6	39.6	44.3	48.5	62.6	
GPZB8-360-40			36.0	39.4	44.1	48.3	50.9	57.0	62.4	80.5	
GPZB8-450-40			45.0	49.3	55.1	60.4	63.6	71.2	77.9	100.6	
GPZB8-580-40			58.0	63.5	71.0	77.8	82.0	91.7	100.5	129.7	
GPZB8-720-40			72.0	78.9	88.2	96.6	102.0	114.0	125.0	161.0	
GPZB8-890-40			89.0	97.5	109.0	119.0	126.0	141.0	154.0	199.0	
GPZB8-1120-40			112.0	123.0	137.0	150.0	158.0	177.0	193.0	250.4	
GPZB8-1250-40			125.0	137.0	153.0	168.0	177.0	198.0	217.0	279.5	
GPZB8-1340-40			134.0	147.0	164.0	180.0	190.0	212.0	232.0	299.6	

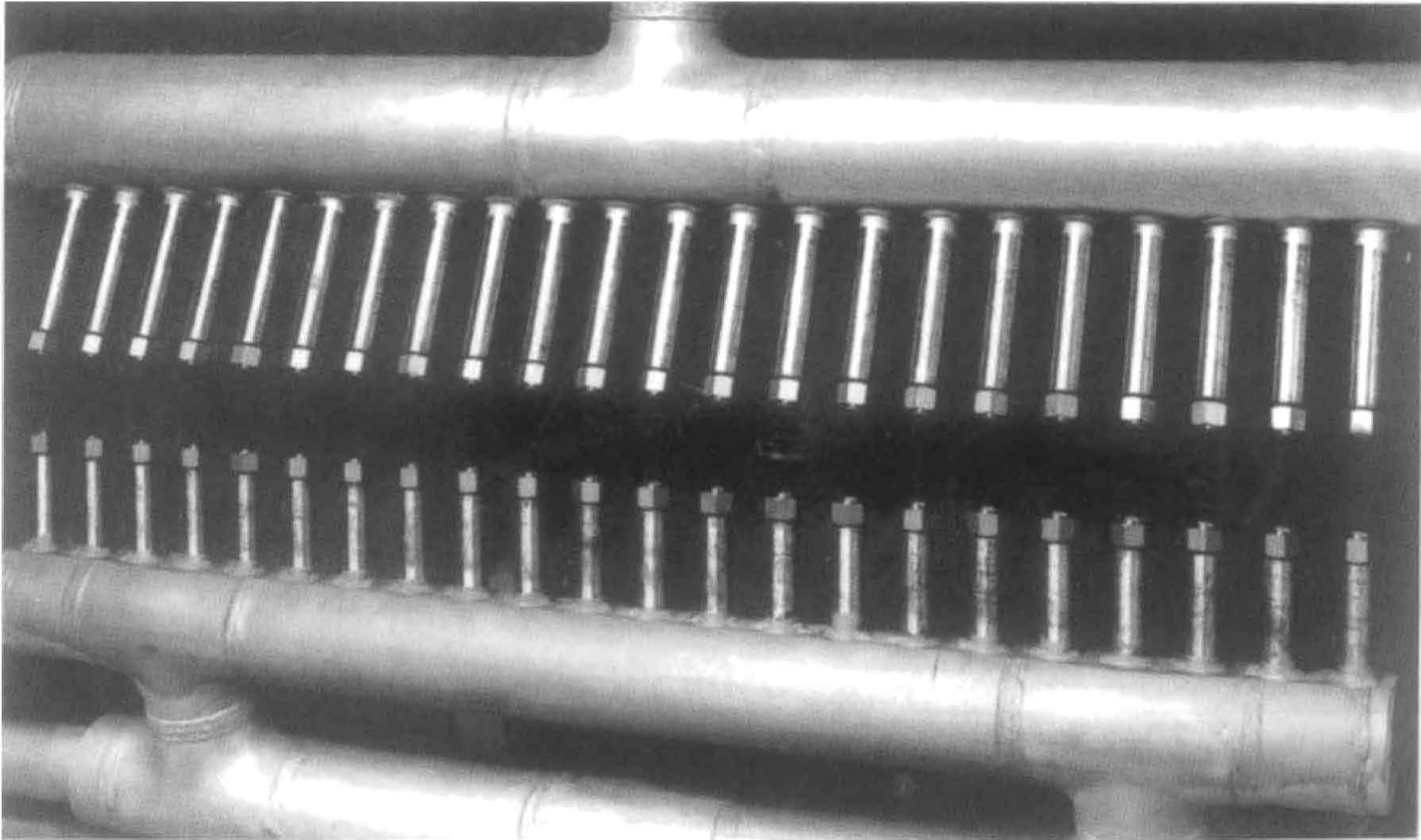
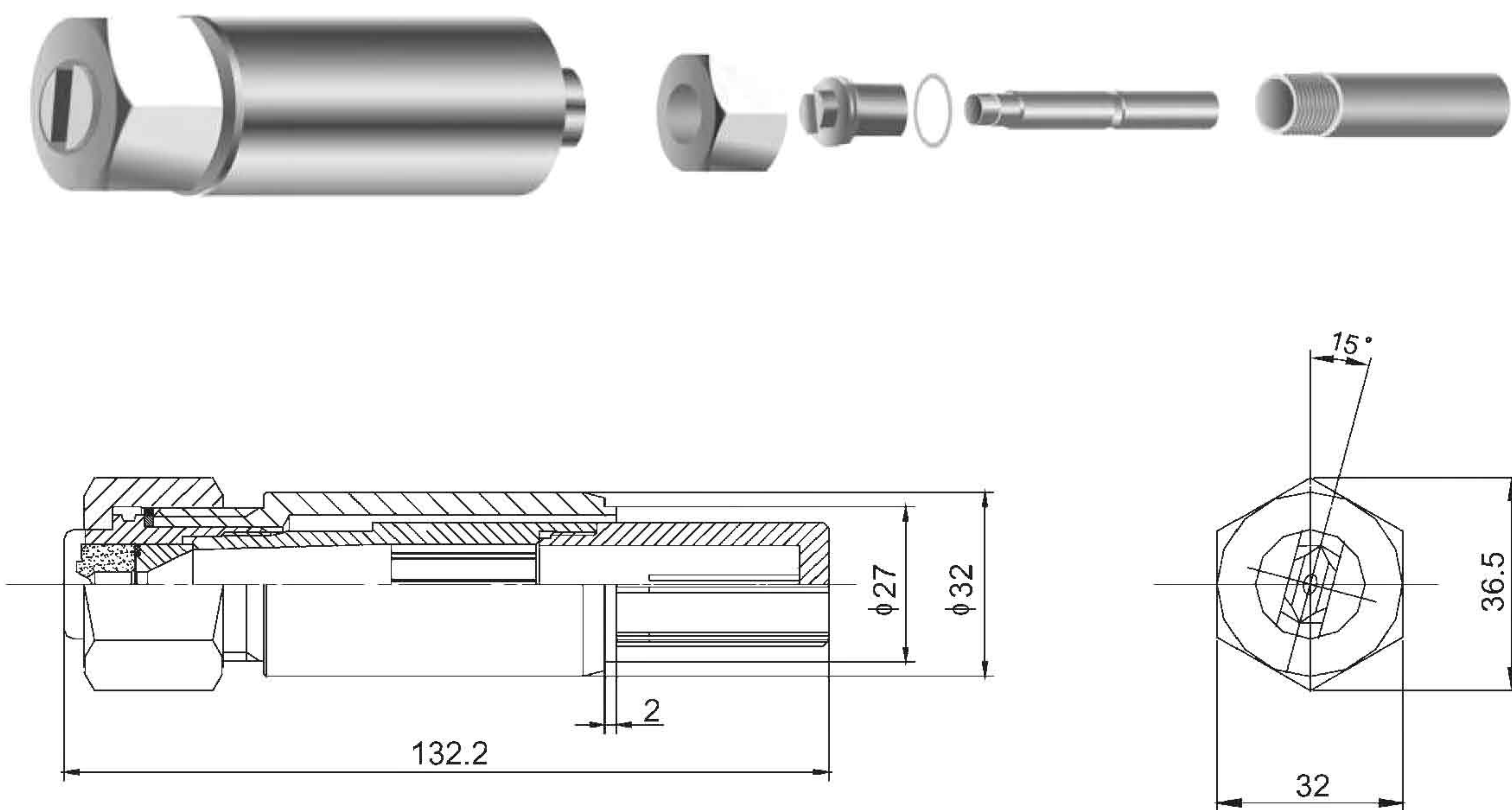
GPZ series high-pressure nozzle

GPZ 系列高压喷嘴



High-pressure Desealing nozzle 高压除鳞喷嘴

GPZB9、GPZB10 型



GPZ series high-pressure nozzle
GPZ 系列高压喷嘴

High-pressure Desealing nozzle

高压除鳞喷嘴

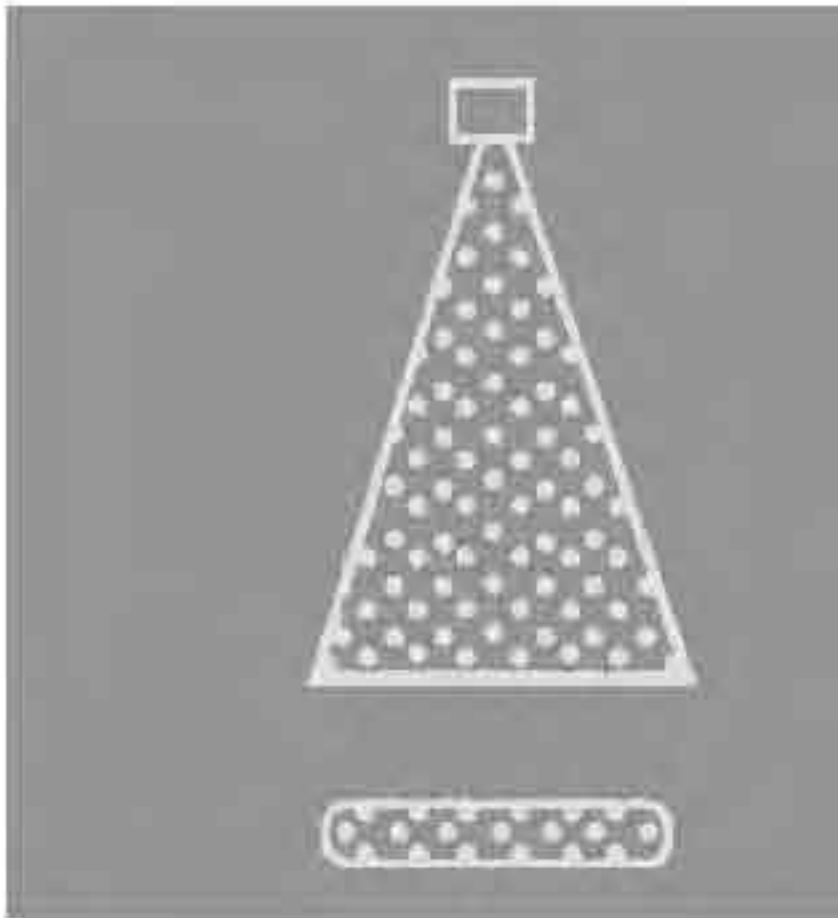
GPZ 系列高压除鳞喷嘴性能参数表

Property Parameter of GPZ Series High-pressure Descaling Nozzle

产 品 型 号 Model		材 质 Material	MPa 压力下的流量 (L/min) Flow at MPa pressure(L/min)								喷 射 角 (°) Spray angle (degree)
			10.0	12.0	15.0	18.0	20.0	25.0	30.0	50.0	
GPZB9-120-22		不 锈 钢	12.0	13.1	14.7	16.1	17.0	19.0	20.8	26.8	22
GPZB9-150-22			15.0	16.4	18.4	20.1	21.2	23.7	26	33.5	
GPZB9-180-22			18.0	19.7	22.0	24.2	25.5	28.5	31.2	40.2	
GPZB9-230-22			23.0	25.2	28.2	30.9	32.5	36.4	39.8	51.4	
GPZB9-280-22			28.0	30.7	34.3	37.6	39.6	44.3	48.5	62.6	
GPZB9-360-22			36.0	39.4	44.1	48.3	50.9	57.0	62.4	80.5	
GPZB9-450-22			45.0	49.3	55.1	60.4	63.6	71.2	77.9	100.6	
GPZB9-580-22			58.0	63.5	71.0	77.8	82.0	91.7	100.5	129.7	
GPZB9-720-22			72.0	78.9	88.2	96.6	102.0	114.0	125.0	161.0	
GPZB9-890-22			89.0	97.5	109.0	119.0	126.0	141.0	154.0	199.0	
GPZB9-1120-22			112.0	123.0	137.0	150.0	158.0	177.0	193.0	250.4	
GPZB9-120-26			12.0	13.1	14.7	16.1	7.0	19.0	20.8	26.8	26
GPZB9-150-26			15.0	16.4	18.4	20.1	21.2	23.7	26	33.5	
GPZB9-180-26			18.0	19.7	22.0	24.2	25.5	28.5	31.2	40.2	
GPZB9-230-26			23.0	25.2	28.2	30.9	32.5	36.4	39.8	51.4	
GPZB9-280-26			28.0	30.7	34.3	37.6	39.6	44.3	48.5	62.6	
GPZB9-360-26			36.0	39.4	44.1	48.3	50.9	57.0	62.4	80.5	
GPZB9-450-26			45.0	49.3	55.1	60.4	63.6	71.2	77.9	100.6	
GPZB9-580-26			58.0	63.5	71.0	77.8	82.0	91.7	100.5	129.7	
GPZB9-720-26			72.0	78.9	88.2	96.6	102.0	114.0	125.0	161.0	
GPZB9-890-26			89.0	97.5	109.0	119.0	126.0	141.0	154.0	199.0	
GPZB9-1120-26			112.0	123.0	137.0	150.0	158.0	177.0	193.0	250.4	
GPZB9-1250-26		铜	125.0	137.0	153.0	168.0	177.0	198.0	217.0	279.5	30
GPZB9-1340-26			134.0	147.0	164.0	180.0	190.0	212.0	232.0	299.6	
GPZB9-120-30		Stainless Steel	12.0	13.1	14.7	16.1	17.0	19.0	20.8	26.8	
GPZB9-150-30			15.0	16.4	18.4	20.1	21.2	23.7	26.0	33.5	
GPZB9-180-30		Tungsten Carbide	18.0	19.7	22.0	24.2	25.5	28.5	31.2	40.2	
GPZB9-230-30			23.0	25.2	28.2	30.9	32.5	36.4	39.8	51.4	
GPZB9-280-30		Brass	28.0	30.7	34.3	37.6	39.6	44.3	48.5	62.6	
GPZB9-360-30			36.0	39.4	44.1	48.3	50.9	57.0	62.4	80.5	
GPZB9-450-30			45.0	49.3	55.1	60.4	63.6	71.2	77.9	100.6	
GPZB9-580-30			58.0	63.5	71.0	77.8	82.0	91.7	100.5	129.7	
GPZB9-720-30			72.0	78.9	88.2	96.6	102.0	114.0	125.0	161.0	
GPZB9-890-30			89.0	97.5	109.0	119.0	126.0	141.0	154.0	199.0	
GPZB9-1120-30			112.0	123.0	137.0	150.0	158.0	177.0	193.0	250.4	
GPZB9-1250-30			125.0	137.0	153.0	168.0	177.0	198.0	217.0	279.5	
GPZB9-1340-30			134.0	147.0	164.0	180.0	190.0	212.0	232.0	299.6	
GPZB9-120-40			12.0	13.1	14.7	16.1	17.0	19.0	20.8	26.8	40
GPZB9-150-40			15.0	16.4	18.4	20.1	21.2	23.7	26.0	33.5	
GPZB9-180-40			18.0	19.7	22.0	24.2	25.5	28.5	31.2	40.2	
GPZB9-230-40			23.0	25.2	28.2	30.9	32.5	36.4	39.8	51.4	
GPZB9-280-40			28.0	30.7	34.3	37.6	39.6	44.3	48.5	62.6	
GPZB9-360-40			36.0	39.4	44.1	48.3	50.9	57.0	62.4	80.5	
GPZB9-450-40			45.0	49.3	55.1	60.4	63.6	71.2	77.9	100.6	
GPZB9-580-40			58.0	63.5	71.0	77.8	82.0	91.7	100.5	129.7	
GPZB9-720-40			72.0	78.9	88.2	96.6	102.0	114.0	125.0	161.0	
GPZB9-890-40			89.0	97.5	109.0	119.0	126.0	141.0	154.0	199.0	
GPZB9-1120-40			112.0	123.0	137.0	150.0	158.0	177.0	193.0	250.4	
GPZB9-1250-40			125.0	137.0	153.0	168.0	177.0	198.0	217.0	279.5	
GPZB9-1340-40			134.0	147.0	164.0	180.0	190.0	212.0	232.0	299.6	

GPZ series high-pressure nozzle

GPZ 系列高压喷嘴



High-pressure Desealing nozzle

高压除鳞喷嘴

GPZ 系列高压除鳞喷嘴性能参数表

Property Parameter of GPZ Series High-pressure Descaling Nozzle

产品型号 Model		材质 Material	MPa 压力下的流量 (L/min) Flow at MPa pressure(L/min)								喷射角 (°) Spray angle (degree)
			10.0	12.0	15.0	18.0	20.0	25.0	30.0	50.0	
GPZB10-120-22		不锈钢	12.0	13.1	14.7	16.1	17.0	19.0	20.8	26.8	22
GPZB10-150-22			15.0	16.4	18.4	20.1	21.2	23.7	26	33.5	
GPZB10-180-22			18.0	19.7	22.0	24.2	25.5	28.5	31.2	40.2	
GPZB10-230-22			23.0	25.2	28.2	30.9	32.5	36.4	39.8	51.4	
GPZB10-280-22			28.0	30.7	34.3	37.6	39.6	44.3	48.5	62.6	
GPZB10-360-22			36.0	39.4	44.1	48.3	50.9	57.0	62.4	80.5	
GPZB10-450-22			45.0	49.3	55.1	60.4	63.6	71.2	77.9	100.6	
GPZB10-580-22			58.0	63.5	71.0	77.8	82.0	91.7	100.5	129.7	
GPZB10-720-22			72.0	78.9	88.2	96.6	102.0	114.0	125.0	161.0	
GPZB10-890-22			89.0	97.5	109.0	119.0	126.0	141.0	154.0	199.0	
GPZB10-1120-22			112.0	123.0	137.0	150.0	158.0	177.0	193.0	250.4	
GPZB10-120-26			12.0	13.1	14.7	16.1	7.0	19.0	20.8	26.8	26
GPZB10-150-26			15.0	16.4	18.4	20.1	21.2	23.7	26	33.5	
GPZB10-180-26			18.0	19.7	22.0	24.2	25.5	28.5	31.2	40.2	
GPZB10-230-26			23.0	25.2	28.2	30.9	32.5	36.4	39.8	51.4	
GPZB10-280-26			28.0	30.7	34.3	37.6	39.6	44.3	48.5	62.6	
GPZB10-360-26			36.0	39.4	44.1	48.3	50.9	57.0	62.4	80.5	
GPZB10-450-26			45.0	49.3	55.1	60.4	63.6	71.2	77.9	100.6	
GPZB10-580-26			58.0	63.5	71.0	77.8	82.0	91.7	100.5	129.7	
GPZB10-720-26			72.0	78.9	88.2	96.6	102.0	114.0	125.0	161.0	
GPZB10-890-26			89.0	97.5	109.0	119.0	126.0	141.0	154.0	199.0	
GPZB10-1120-26			112.0	123.0	137.0	150.0	158.0	177.0	193.0	250.4	
GPZB10-1250-26		铜	125.0	137.0	153.0	168.0	177.0	198.0	217.0	279.5	30
GPZB10-1340-26			134.0	147.0	164.0	180.0	190.0	212.0	232.0	299.6	
GPZB10-120-30		Stainless Steel	12.0	13.1	14.7	16.1	17.0	19.0	20.8	26.8	
GPZB10-150-30			15.0	16.4	18.4	20.1	21.2	23.7	26.0	33.5	
GPZB10-180-30		Tungsten Carbide	18.0	19.7	22.0	24.2	25.5	28.5	31.2	40.2	
GPZB10-230-30			23.0	25.2	28.2	30.9	32.5	36.4	39.8	51.4	
GPZB10-280-30		Brass	28.0	30.7	34.3	37.6	39.6	44.3	48.5	62.6	
GPZB10-360-30			36.0	39.4	44.1	48.3	50.9	57.0	62.4	80.5	
GPZB10-450-30			45.0	49.3	55.1	60.4	63.6	71.2	77.9	100.6	
GPZB10-580-30			58.0	63.5	71.0	77.8	82.0	91.7	100.5	129.7	
GPZB10-720-30			72.0	78.9	88.2	96.6	102.0	114.0	125.0	161.0	
GPZB10-890-30			89.0	97.5	109.0	119.0	126.0	141.0	154.0	199.0	
GPZB10-1120-30			112.0	123.0	137.0	150.0	158.0	177.0	193.0	250.4	
GPZB10-1250-30			125.0	137.0	153.0	168.0	177.0	198.0	217.0	279.5	
GPZB10-1340-30			134.0	147.0	164.0	180.0	190.0	212.0	232.0	299.6	
GPZB10-120-40			12.0	13.1	14.7	16.1	17.0	19.0	20.8	26.8	40
GPZB10-150-40			15.0	16.4	18.4	20.1	21.2	23.7	26.0	33.5	
GPZB10-180-40			18.0	19.7	22.0	24.2	25.5	28.5	31.2	40.2	
GPZB10-230-40			23.0	25.2	28.2	30.9	32.5	36.4	39.8	51.4	
GPZB10-280-40			28.0	30.7	34.3	37.6	39.6	44.3	48.5	62.6	
GPZB10-360-40			36.0	39.4	44.1	48.3	50.9	57.0	62.4	80.5	
GPZB10-450-40			45.0	49.3	55.1	60.4	63.6	71.2	77.9	100.6	
GPZB10-580-40			58.0	63.5	71.0	77.8	82.0	91.7	100.5	129.7	
GPZB10-720-40			72.0	78.9	88.2	96.6	102.0	114.0	125.0	161.0	
GPZB10-890-40			89.0	97.5	109.0	119.0	126.0	141.0	154.0	199.0	
GPZB10-1120-40			112.0	123.0	137.0	150.0	158.0	177.0	193.0	250.4	
GPZB10-1250-40			125.0	137.0	153.0	168.0	177.0	198.0	217.0	279.5	
GPZB10-1340-40			134.0	147.0	164.0	180.0	190.0	212.0	232.0	299.6	



GPZB11、GPZB12 型特性及用途

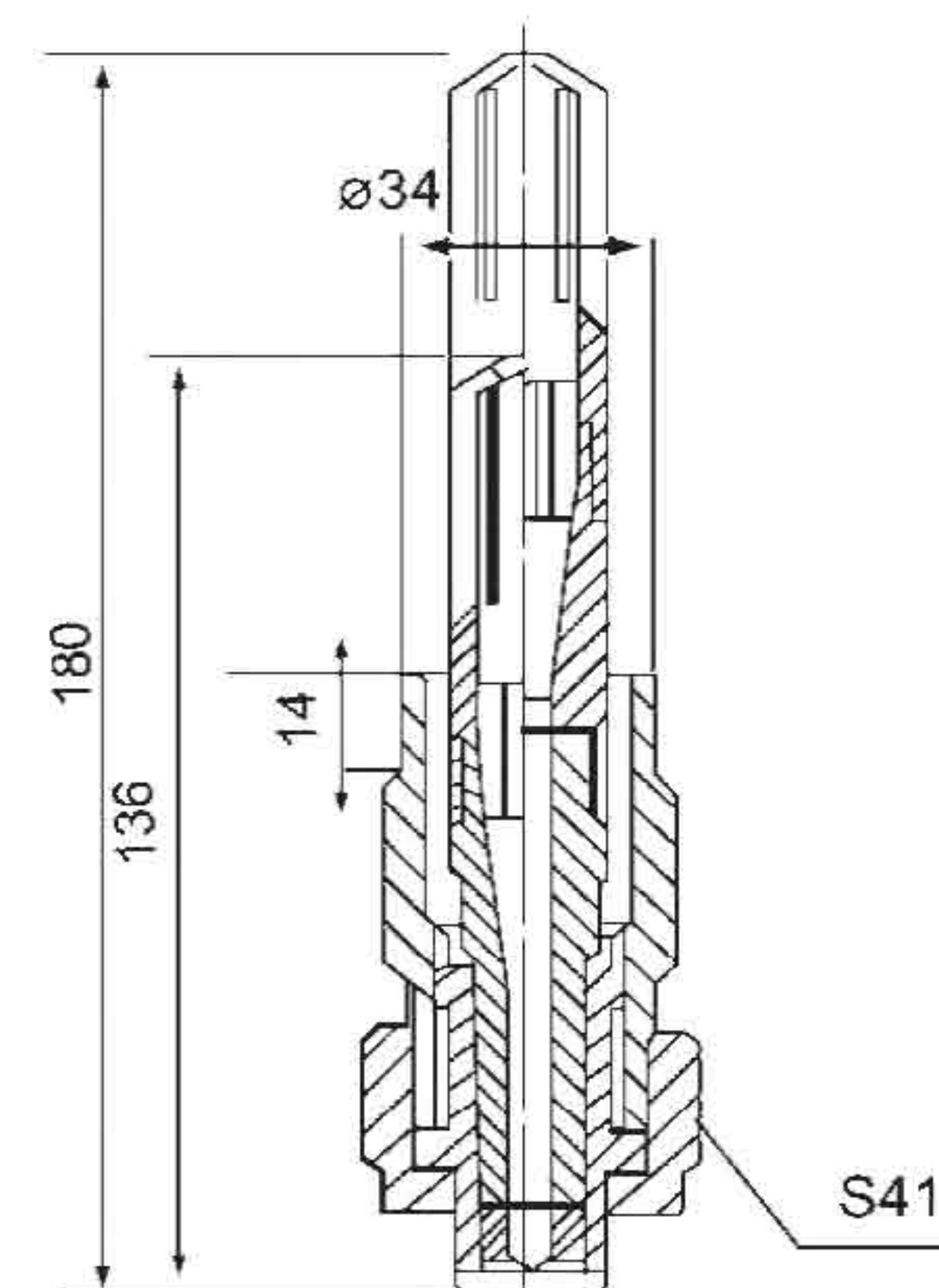
该喷嘴除有强力喷嘴的特性之外，还具备外圆直径小，可安装在要求喷嘴喷射距离较近，打击力要求高，而导致喷嘴安装距离必须较密的场合。

该喷嘴可制成一般长度和最佳长度（冲击力效果最好）可根据使用场合的空间尺寸进行选择。

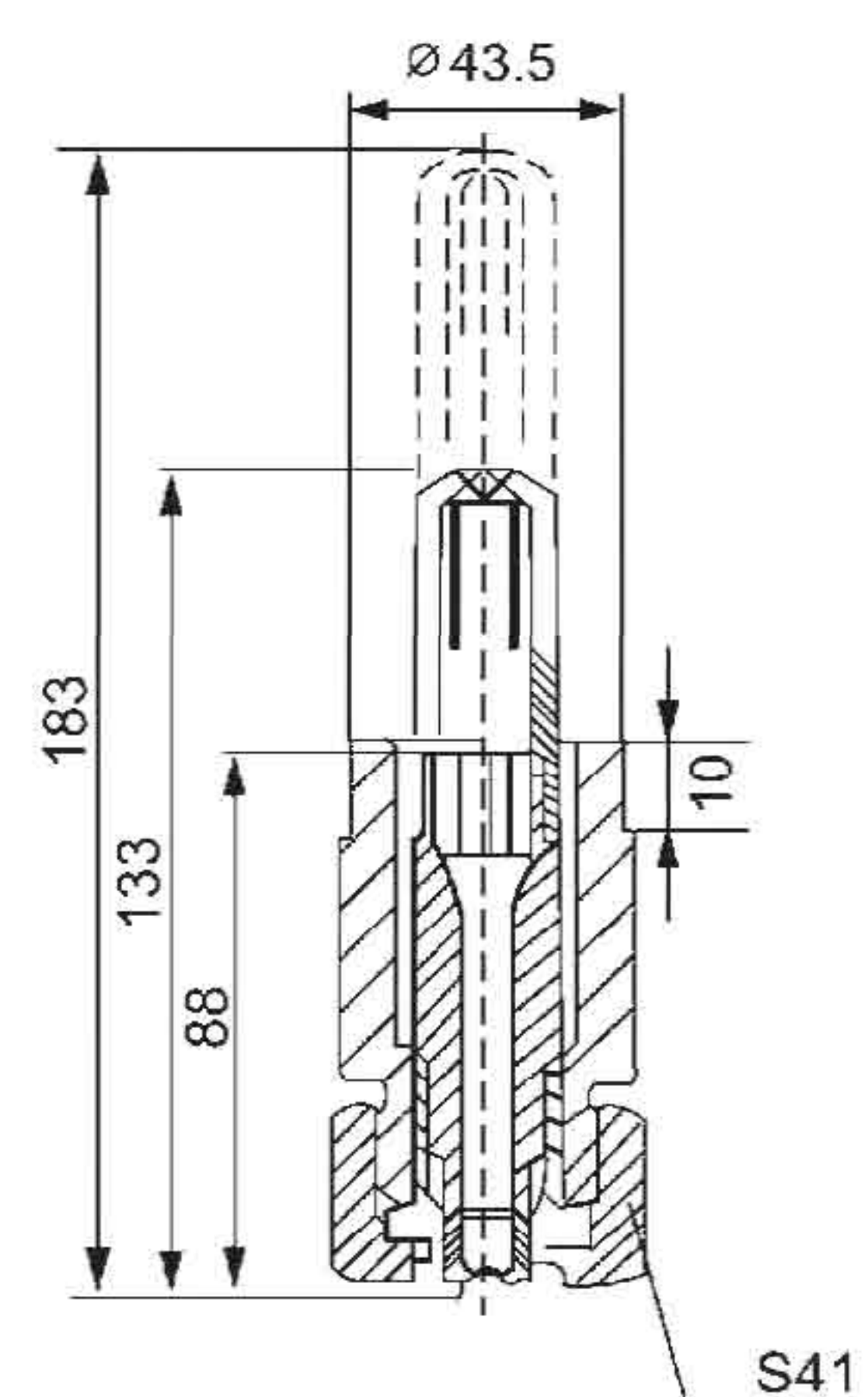
The Characteristics and Usage of Model GPZB11 and GPZB12

Besides the characteristics of nozzle of brute force, this nozzle is small in cylindrical diameter. It can be installed in places where high density of nozzles is required to meet the requirements of short spray distance and high striking force.

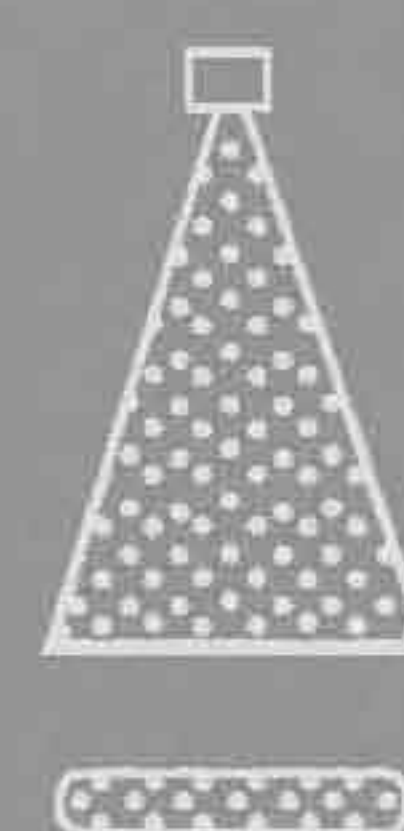
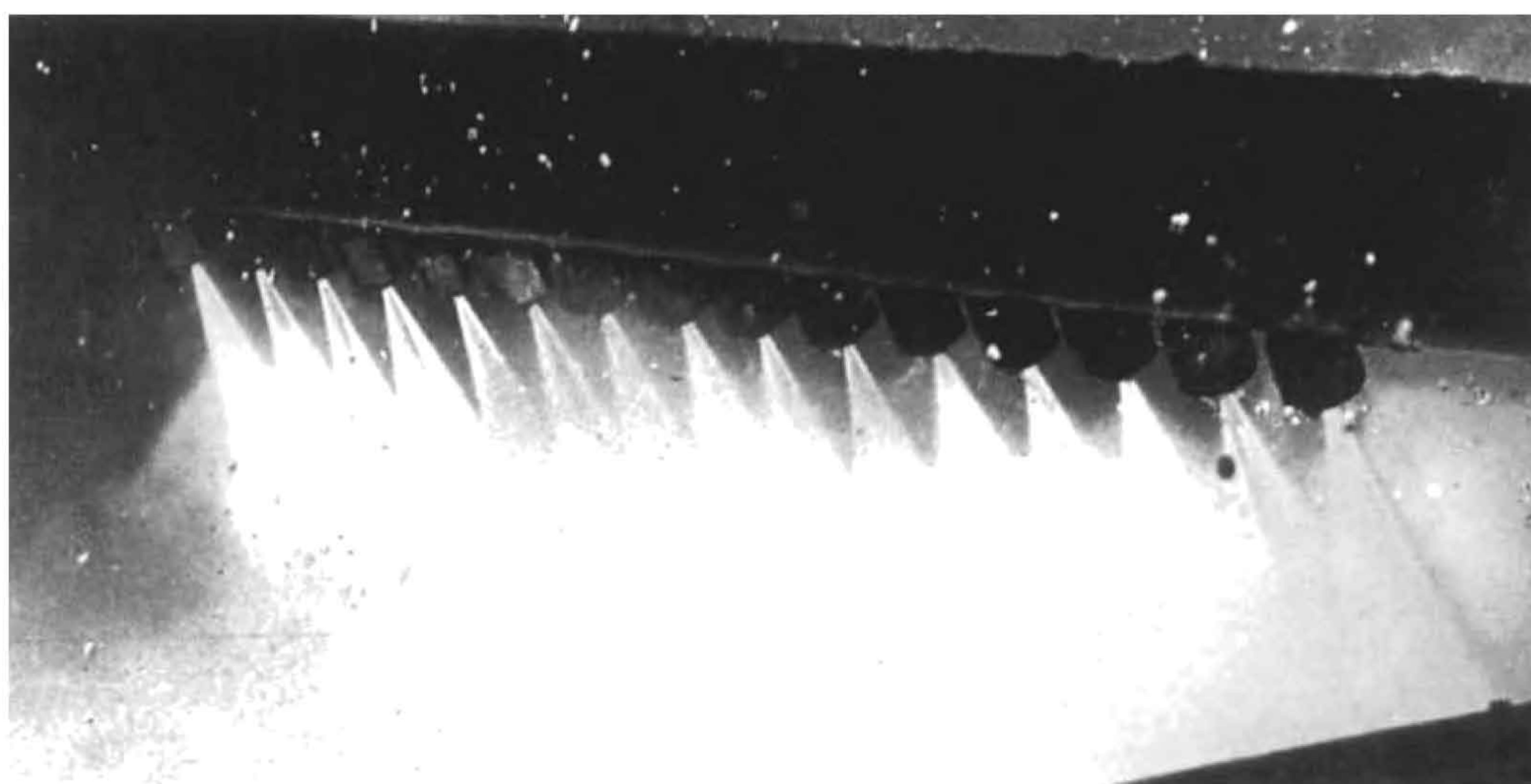
This kind of nozzle can be made in common length and best length (with the best wallop). The choices are made according to the size of the installation space of the place.



GPZB11 型



GPZB12 型



High-pressure Desealing nozzle

高压除鳞喷嘴

GPZ 系列高压除鳞喷嘴性能参数表

Property Parameter of GPZ Series High-pressure Descaling Nozzle

产品型号 Model		材质 Material	MPa 压力下的流量 (L/min)							喷射角 (°) Spray angle (degree)	
			Flow at MPa pressure(L/min)								
			10.0	12.0	15.0	18.0	20.0	25.0	30.0	50.0	
GPZB11-598-23		不锈钢	59.8	65.5	73.2	80.2	84.6	94.6	103.6	133.7	23
GPZB11-777-23			77.7	85.1	95.2	104.2	109.9	122.9	134.6	173.7	
GPZB11-959-23			95.9	105.1	117.5	128.7	135.6	151.6	166.1	214.4	
GPZB11-179-25			17.9	19.6	21.9	24.0	25.3	28.3	31.0	40.0	25
GPZB11-226-25			22.6	24.8	27.7	30.3	32.0	35.7	39.1	50.5	
GPZB11-299-25			29.9	32.8	36.6	40.1	42.3	47.3	51.8	66.9	
GPZB11-359-25			35.9	39.3	44.0	48.2	50.8	56.8	62.2	80.3	
GPZB11-418-25			41.8	45.8	51.2	56.1	59.1	66.1	72.4	93.5	
GPZB11-454-25			45.4	49.7	55.6	60.9	64.2	71.8	78.6	101.5	
GPZB11-538-25			53.8	58.9	65.9	72.2	76.1	85.1	93.2	120.3	
GPZB11-568-25			56.8	62.2	69.6	76.2	80.3	89.8	98.4	127.0	
GPZB11-675-25			67.5	73.9	82.7	90.6	95.5	106.7	116.9	150.9	
GPZB11-717-25			71.7	78.5	87.8	96.2	101.4	113.4	124.2	160.3	
GPZB11-902-25			90.2	98.8	110.5	121.0	127.6	142.6	156.2	201.7	
GPZB11-1016-25			101.6	111.3	124.4	136.3	143.7	160.6	176.0	227.2	
GPZB11-1129-25			112.9	123.7	138.3	151.5	159.7	178.5	195.5	252.5	
GPZB11-1195-25			119.5	130.9	146.4	160.3	169.0	188.9	207.0	267.2	
GPZB11-1315-25		碳化钨	131.5	144.1	161.1	176.4	186.0	207.9	227.8	294.0	
GPZB11-1357-25		铜	135.7	148.7	166.2	182.1	191.9	214.6	235.0	303.4	
GPZB11-1600-25			160.0	175.3	195.0	214.7	225.0	253.0	277.1	357.8	
GPZB11-251-28		Stainless Steel	25.1	27.5	30.7	33.7	35.5	39.7	43.5	56.1	28
GPZB11-777-28			77.7	85.1	95.2	104.2	109.9	122.9	134.6	173.7	
GPZB11-179-30		Tungsten Carbide	17.9	19.6	21.9	24.0	25.3	28.3	31.0	40.0	30
GPZB11-454-30			45.4	49.7	55.6	60.9	64.2	71.8	78.6	101.5	
GPZB11-538-30			53.8	58.9	65.9	72.2	76.1	85.1	93.2	120.3	
GPZB11-675-30			67.5	73.9	82.7	90.6	95.5	106.7	116.9	150.9	
GPZB11-723-30			72.3	79.2	88.5	97.0	102.2	114.3	125.2	161.7	
GPZB11-902-30			90.2	98.8	110.5	121.0	127.6	142.6	156.2	201.7	
GPZB11-1016-30			101.6	111.3	124.4	136.3	143.7	160.6	176.0	227.2	
GPZB11-1243-30			124.3	136.2	152.2	166.8	175.8	196.5	215.3	277.9	
GPZB11-454-32		Brass	45.4	49.7	55.6	60.9	64.2	71.8	78.6	101.5	32
GPZB11-675-32			67.5	73.9	82.7	90.6	95.5	106.7	116.9	150.9	
GPZB11-777-32			77.7	85.1	95.2	104.2	109.9	122.9	134.6	173.7	
GPZB11-902-32			90.2	98.8	110.5	121.0	127.6	142.6	156.2	201.7	
GPZB11-1076-32			107.6	117.9	131.8	144.4	152.2	170.1	186.4	240.6	
GPZB11-1129-32			112.9	123.7	138.3	151.5	159.7	178.5	195.5	252.5	40
GPZB11-335-40			33.5	36.7	41.0	44.9	47.4	53.0	58.0	74.9	
GPZB11-454-40			45.4	49.7	55.6	60.9	64.2	71.8	78.6	101.5	
GPZB11-675-40			67.5	73.9	82.7	90.6	95.5	106.7	116.9	150.9	
GPZB11-746-40			74.6	81.7	91.4	100.1	105.5	118.0	129.2	166.8	
GPZB11-902-40			90.2	98.8	110.5	121.0	127.6	142.6	156.2	201.7	
GPZB11-1129-40			112.9	123.7	138.3	151.5	159.7	178.5	195.5	252.5	
GPZB11-1315-40			131.5	144.1	161.1	176.4	186.0	207.9	227.8	294.0	
GPZB11-1357-40			135.7	148.7	166.2	182.1	191.9	214.6	235.0	303.4	

High-pressure Desealing nozzle

高压除鳞喷嘴

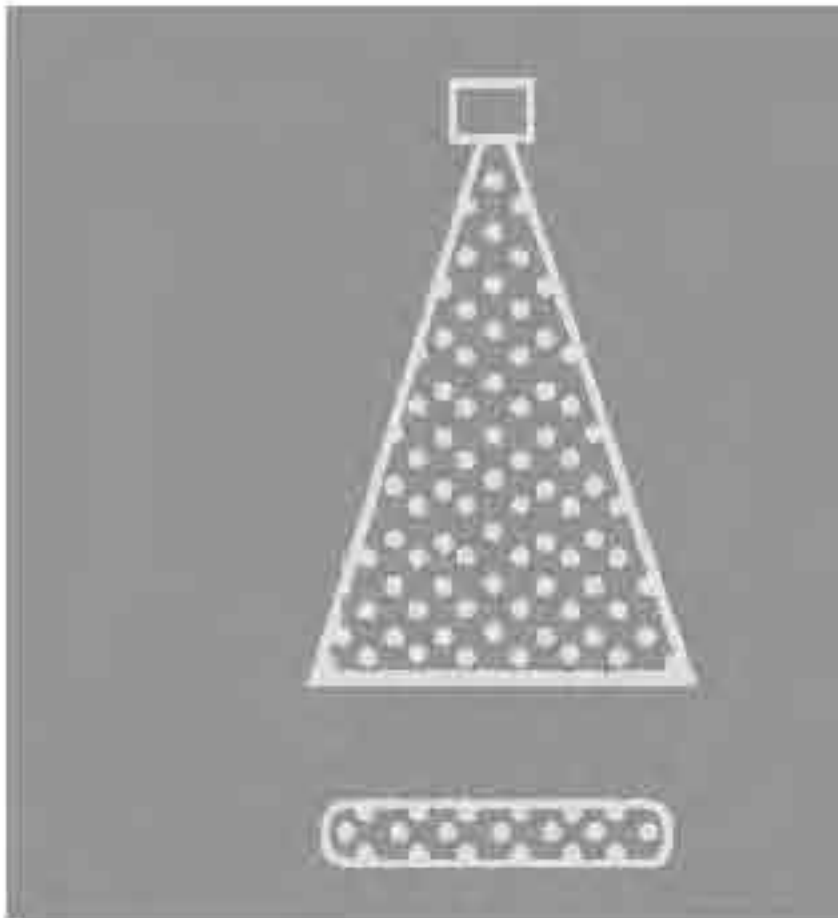
GPZ 系列高压除鳞喷嘴性能参数表

Property Parameter of GPZ Series High-pressure Descaling Nozzle

产品型号 Model	材质 Material	MPa 压力下的流量 (L/min) Flow at MPa pressure(L/min)								喷射角 (°) Spray angl (degree)
		10.0	12.0	15.0	18.0	20.0	25.0	30.0	50.0	
GPZB12-598-23	不锈钢	59.8	65.5	73.2	80.2	84.6	94.6	103.6	133.7	23
GPZB12-777-23		77.7	85.1	95.2	104.2	109.9	122.9	134.6	173.7	
GPZB12-959-23		95.9	105.1	117.5	128.7	135.6	151.6	166.1	214.4	
GPZB12-179-25		17.9	19.6	21.9	24.0	25.3	28.3	31.0	40.0	25
GPZB12-226-25		22.6	24.8	27.7	30.3	32.0	35.7	39.1	50.5	
GPZB12-299-25		29.9	32.8	36.6	40.1	42.3	47.3	51.8	66.9	
GPZB12-359-25		35.9	39.3	44.0	48.2	50.8	56.8	62.2	80.3	
GPZB12-418-25		41.8	45.8	51.2	56.1	59.1	66.1	72.4	93.5	
GPZB12-454-25		45.4	49.7	55.6	60.9	64.2	71.8	78.6	101.5	
GPZB12-538-25		53.8	58.9	65.9	72.2	76.1	85.1	93.2	120.3	
GPZB12-568-25		56.8	62.2	69.6	76.2	80.3	89.8	98.4	127.0	
GPZB12-675-25		67.5	73.9	82.7	90.6	95.5	106.7	116.9	150.9	
GPZB12-717-25		71.7	78.5	87.8	96.2	101.4	113.4	124.2	160.3	
GPZB12-902-25		90.2	98.8	110.5	121.0	127.6	142.6	156.2	201.7	
GPZB12-1016-25		101.6	111.3	124.4	136.3	143.7	160.6	176.0	227.2	
GPZB12-1129-25		112.9	123.7	138.3	151.5	159.7	178.5	195.5	252.5	
GPZB12-1195-25		119.5	130.9	146.4	160.3	169.0	188.9	207.0	267.2	
GPZB12-1315-25	碳化钨	131.5	144.1	161.1	176.4	186.0	207.9	227.8	294.0	
GPZB12-1357-25	铜	135.7	148.7	166.2	182.1	191.9	214.6	235.0	303.4	
GPZB12-1600-25		160.0	175.3	195.0	214.7	225.0	253.0	277.1	357.8	
GPZB12-251-28	Stainless Steel	25.1	27.5	30.7	33.7	35.5	39.7	43.5	56.1	28
GPZB12-777-28		77.7	85.1	95.2	104.2	109.9	122.9	134.6	173.7	
GPZB12-179-30	Tungsten Carbide	17.9	19.6	21.9	24.0	25.3	28.3	31.0	40.0	30
GPZB12-454-30		45.4	49.7	55.6	60.9	64.2	71.8	78.6	101.5	
GPZB12-538-30		53.8	58.9	65.9	72.2	76.1	85.1	93.2	120.3	
GPZB12-675-30		67.5	73.9	82.7	90.6	95.5	106.7	116.9	150.9	
GPZB12-723-30		72.3	79.2	88.5	97.0	102.2	114.3	125.2	161.7	
GPZB12-902-30		90.2	98.8	110.5	121.0	127.6	142.6	156.2	201.7	
GPZB12-1016-30		101.6	111.3	124.4	136.3	143.7	160.6	176.0	227.2	
GPZB12-1243-30		124.3	136.2	152.2	166.8	175.8	196.5	215.3	277.9	
GPZB12-454-32	Brass	45.4	49.7	55.6	60.9	64.2	71.8	78.6	101.5	32
GPZB12-675-32		67.5	73.9	82.7	90.6	95.5	106.7	116.9	150.9	
GPZB12-777-32		77.7	85.1	95.2	104.2	109.9	122.9	134.6	173.7	
GPZB12-902-32		90.2	98.8	110.5	121.0	127.6	142.6	156.2	201.7	
GPZB12-1076-32		107.6	117.9	131.8	144.4	152.2	170.1	186.4	240.6	
GPZB12-1129-32		112.9	123.7	138.3	151.5	159.7	178.5	195.5	252.5	
GPZB12-335-40		33.5	36.7	41.0	44.9	47.4	53.0	58.0	74.9	40
GPZB12-454-40		45.4	49.7	55.6	60.9	64.2	71.8	78.6	101.5	
GPZB12-675-40		67.5	73.9	82.7	90.6	95.5	106.7	116.9	150.9	
GPZB12-746-40		74.6	81.7	91.4	100.1	105.5	118.0	129.2	166.8	
GPZB12-902-40		90.2	98.8	110.5	121.0	127.6	142.6	156.2	201.7	
GPZB12-1129-40		112.9	123.7	138.3	151.5	159.7	178.5	195.5	252.5	
GPZB12-1315-40		131.5	144.1	161.1	176.4	186.0	207.9	227.8	294.0	
GPZB12-1357-40		135.7	148.7	166.2	182.1	191.9	214.6	235.0	303.4	

GPZ series high-pressure nozzle

GPZ 系列高压喷嘴



High-pressure Desealing nozzle

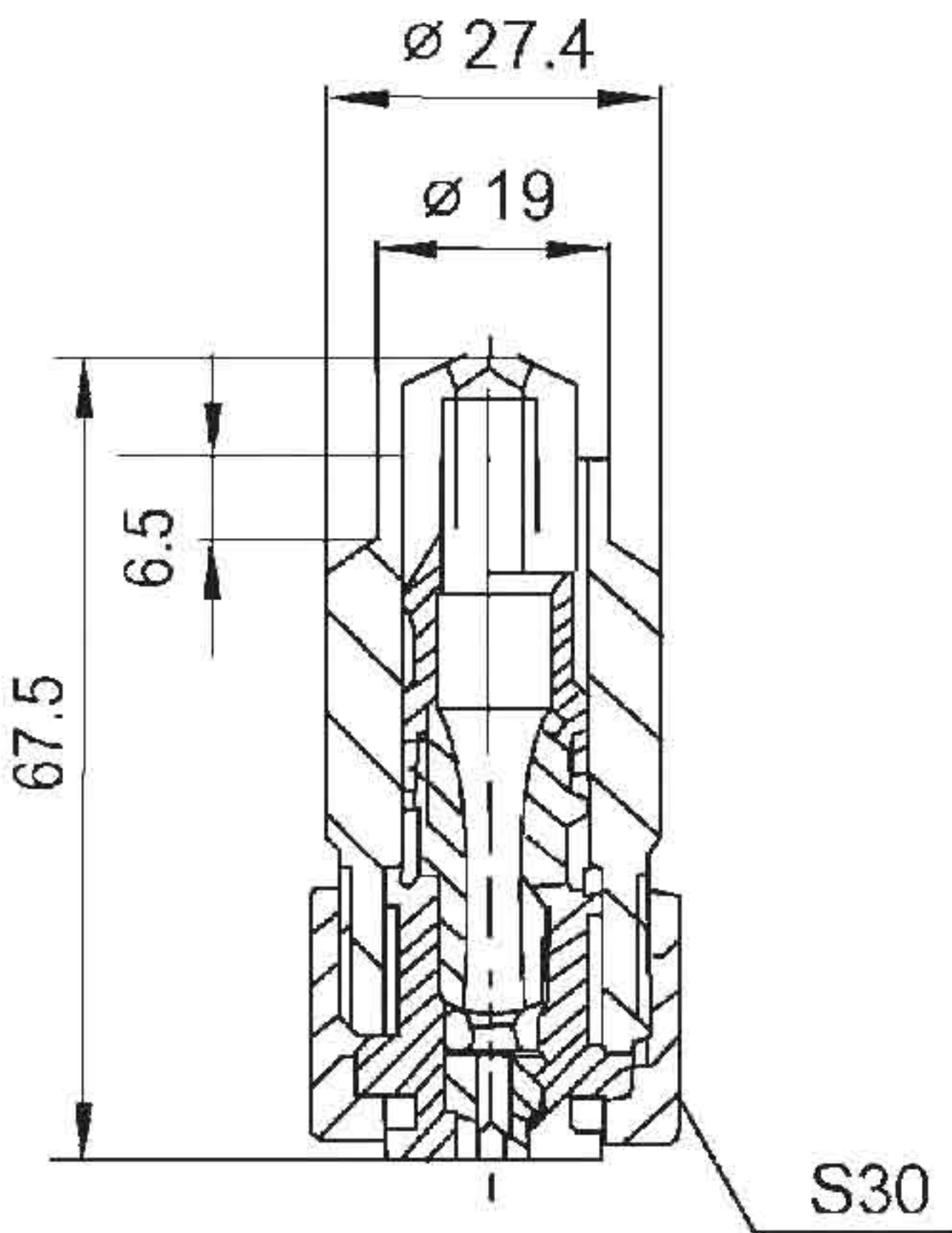
高压除鳞喷嘴

GPZB13 型特性及用途

该喷嘴除具有 GPZB11、GPZB12 的特性外，还具备外形长度超短，可安装在高压集水管与高压喷嘴的组合总高度受到严格限制的小空间场合。

The Characteristics and Usage of Model GPZB13

Besides the characteristics of model GPZB11 and GPZB12, it is super short in outside length. It can be installed in the small spaces where the total height of the combination of the high-pressure collector pipe and high-pressure nozzle is strictly limited.



GPZ 系列高压除鳞喷嘴性能参数表

Property Parameter of GPZ Series High-pressure Descaling Nozzle

产品型号 Model	材质 Material	MPa 压力下的流量 (L/min) Flow at MPa pressure(L/min)								喷射角 (°) Spray angle (degree)
		10.0	12.0	15.0	18.0	20.0	25.0	30.0	50.0	
GPZB13-91-25	不锈钢	9.1	10.0	11.1	12.2	12.9	14.4	15.8	20.3	25
GPZB13-114-25		11.4	12.5	14.0	15.3	16.1	18.0	19.7	25.5	
GPZB13-137-25		13.7	15.0	16.8	18.4	19.4	21.7	23.7	30.6	
GPZB13-160-25		16.0	17.5	19.6	21.5	22.6	25.3	27.7	35.8	
GPZB13-179-25		17.9	19.6	21.9	24.0	25.3	28.3	31.0	40.0	
GPZB13-210-25		21.0	23.0	25.7	28.2	29.7	33.2	36.4	47.0	
GPZB13-226-25		22.6	24.8	27.7	30.3	32.0	35.7	39.1	50.5	
GPZB13-270-25		27.0	29.6	33.1	36.2	38.2	42.7	46.8	60.4	
GPZB13-299-25		29.9	32.8	36.6	40.1	42.3	47.3	51.8	66.9	
GPZB13-335-25		33.5	36.7	41.0	44.9	47.4	53.0	58.0	74.9	
GPZB13-91-40	碳化钨	9.1	10.0	11.1	12.2	12.9	14.4	15.8	20.3	40
GPZB13-114-40		11.4	12.5	14.0	15.3	16.1	18.0	19.7	25.5	
GPZB13-137-40		13.7	15.0	16.8	18.4	19.4	21.7	23.7	30.6	
GPZB13-160-40		16.0	17.5	19.6	21.5	22.6	25.3	27.7	35.8	
GPZB13-179-40		17.9	19.6	21.9	24.0	25.3	28.3	31.0	40.0	
GPZB13-210-40		21.0	23.0	25.7	28.2	29.7	33.2	36.4	47.0	
GPZB13-226-40		22.6	24.8	27.7	30.3	32.0	35.7	39.1	50.5	
GPZB13-270-40		27.0	29.6	33.1	36.2	38.2	42.7	46.8	60.4	
GPZB13-299-40		29.9	32.8	36.6	40.1	42.3	47.3	51.8	66.9	
GPZB13-335-40		33.5	36.7	41.0	44.9	47.4	53.0	58.0	74.9	
GPZB13-91-53	铜	9.1	10.0	11.1	12.2	12.9	14.4	15.8	20.3	53
GPZB13-114-53		11.4	12.5	14.0	15.3	16.1	18.0	19.7	25.5	
GPZB13-137-53		13.7	15.0	16.8	18.4	19.4	21.7	23.7	30.6	
GPZB13-160-53		16.0	17.5	19.6	21.5	22.6	25.3	27.7	35.8	
GPZB13-179-53		17.9	19.6	21.9	24.0	25.3	28.3	31.0	40.0	
GPZB13-210-53		21.0	23.0	25.7	28.2	29.7	33.2	36.4	47.0	
GPZB13-226-53		22.6	24.8	27.7	30.3	32.0	35.7	39.1	50.5	
GPZB13-270-53		27.0	29.6	33.1	36.2	38.2	42.7	46.8	60.4	
GPZB13-299-53		29.9	32.8	36.6	40.1	42.3	47.3	51.8	66.9	
GPZB13-335-53		33.5	36.7	41.0	44.9	47.4	53.0	58.0	74.9	

High-pressure Desealing nozzle

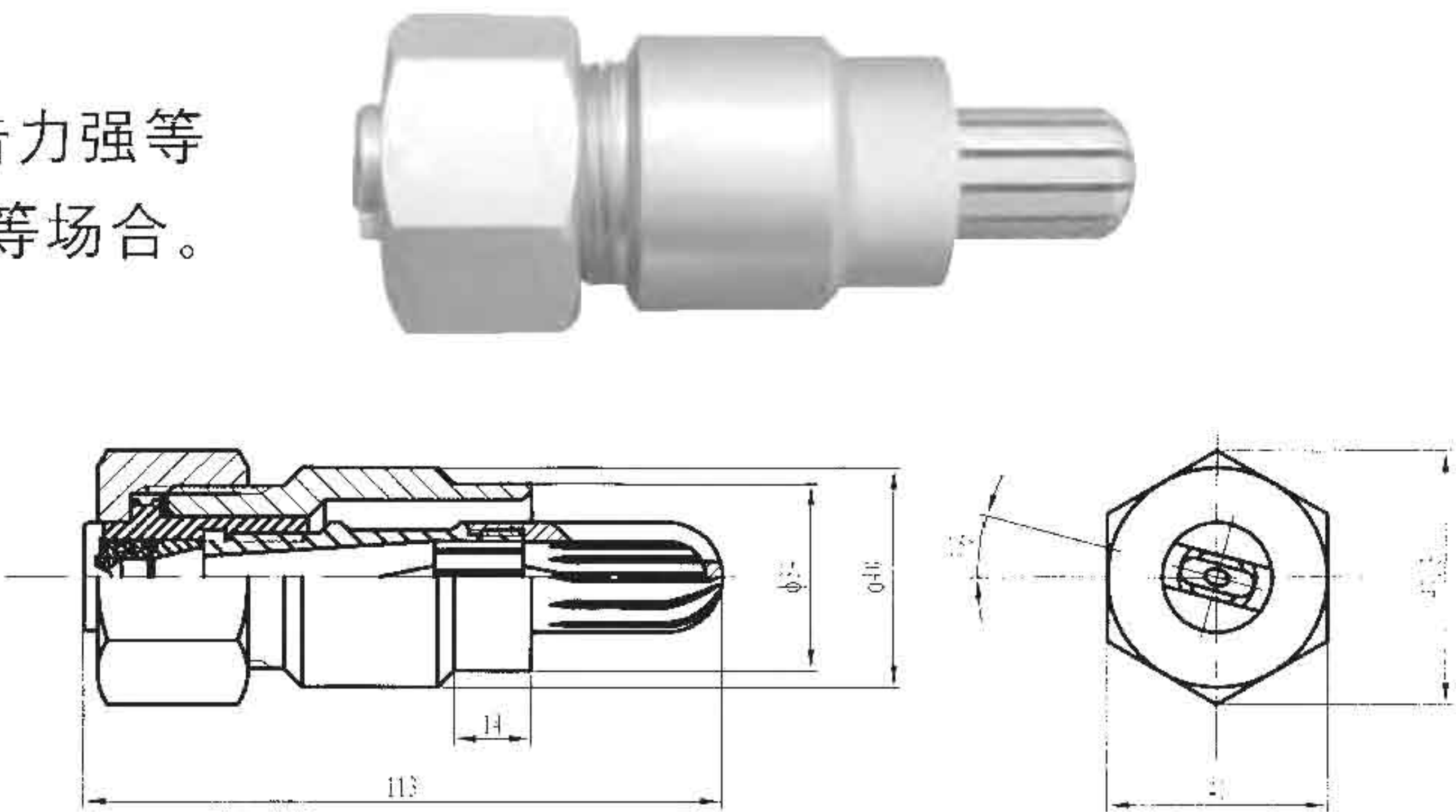
高压除鳞喷嘴

GPZB14 型特性及用途

该喷嘴为一种结合型喷嘴, 具有体积小、冲击力强等特点, 广泛应用于钢坯除鳞、清污、除垢、除锈等场合。

The Characteristics and Usage of Model GPZB14

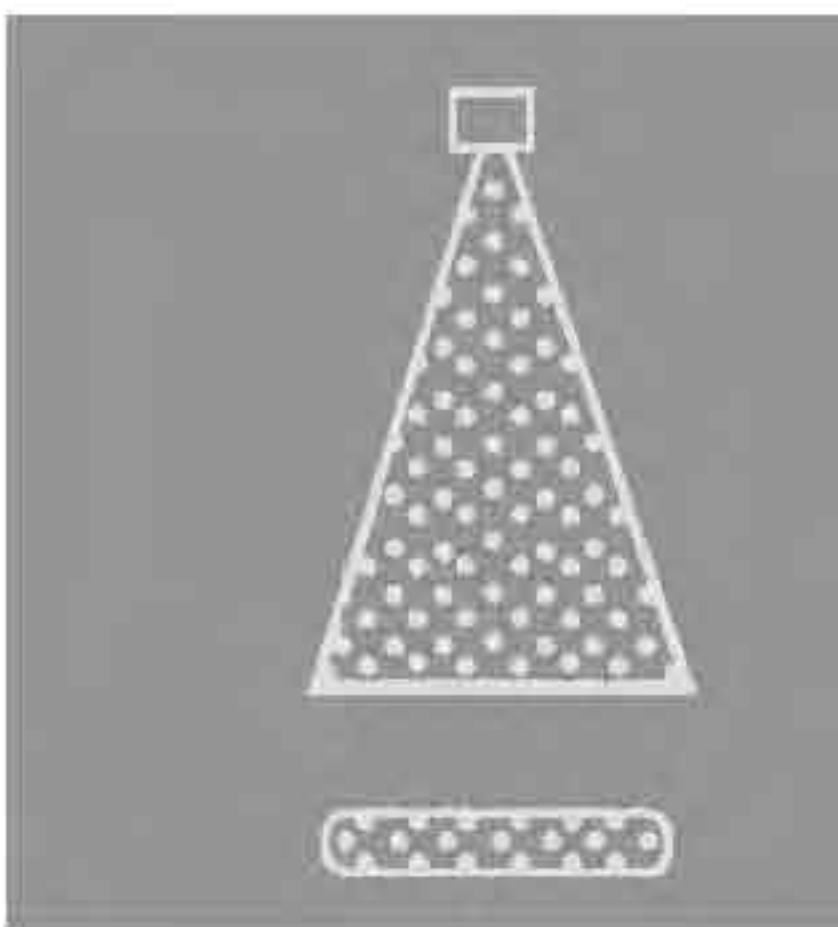
This model is a nozzle of the combined type characterized with small size but strong impact. It is widely applied in steel billet descaling, cleaning, stains removal, derusting, etc.



GPZ 系列高压除鳞喷嘴性能参数表

Property Parameter of GPZ Series High-pressure Descaling Nozzle

产品型号 Model	材质 Material	MPa 压力下的流量 (L/min) Flow at MPa pressure(L/min)								喷射角 (°) Spray angle (degree)
		10.0	12.0	15.0	18.0	20.0	25.0	30.0	50.0	
GPZB14-120-26	不锈钢	12.0	13.1	14.7	16.1	17.0	19.0	20.8	26.8	26
GPZB14-150-26		15.0	16.4	18.4	20.1	21.2	23.7	26	33.5	
GPZB14-180-26		18.0	19.7	22.0	24.2	25.5	28.5	31.2	40.2	
GPZB14-230-26		23.0	25.2	28.2	30.9	32.5	36.4	39.8	51.4	
GPZB14-280-26		28.0	30.7	34.3	37.6	39.6	44.3	48.5	62.6	
GPZB14-360-26		36.0	39.4	44.1	48.3	50.9	57.0	62.4	80.5	
GPZB14-450-26		45.0	49.3	55.1	60.4	63.6	71.2	77.9	100.6	
GPZB14-580-26		58.0	63.5	71.0	77.8	82.0	91.7	100.5	129.7	
GPZB14-720-26		72.0	78.9	88.2	96.6	102.0	114.0	125.0	161.0	
GPZB14-890-26		89.0	97.5	109.0	119.0	126.0	141.0	154.0	199.0	
GPZB14-1120-26		112.0	123.0	137.0	150.0	158.0	177.0	193.0	250.4	
GPZB14-1250-26		125.0	137.0	153.0	168.0	177.0	198.0	217.0	279.5	
GPZB14-1340-26	碳化钨	134.0	147.0	164.0	180.0	190.0	212.0	232.0	299.6	30
GPZB14-120-30		12.0	13.1	14.7	16.1	17.0	19.0	20.8	26.8	
GPZB14-150-30		15.0	16.4	18.4	20.1	21.2	23.7	26.0	33.5	
GPZB14-180-30		18.0	19.7	22.0	24.2	25.5	28.5	31.2	40.2	
GPZB14-230-30		23.0	25.2	28.2	30.9	32.5	36.4	39.8	51.4	
GPZB14-280-30		28.0	30.7	34.3	37.6	39.6	44.3	48.5	62.6	
GPZB14-360-30		36.0	39.4	44.1	48.3	50.9	57.0	62.4	80.5	
GPZB14-450-30		45.0	49.3	55.1	60.4	63.6	71.2	77.9	100.6	
GPZB14-580-30		58.0	63.5	71.0	77.8	82.0	91.7	100.5	129.7	
GPZB14-720-30		72.0	78.9	88.2	96.6	102.0	114.0	125.0	161.0	
GPZB14-890-30		89.0	97.5	109.0	119.0	126.0	141.0	154.0	199.0	
GPZB14-1120-30		112.0	123.0	137.0	150.0	158.0	177.0	193.0	250.4	
GPZB14-1250-30	铜	125.0	137.0	153.0	168.0	177.0	198.0	217.0	279.5	40
GPZB14-1340-30		134.0	147.0	164.0	180.0	190.0	212.0	232.0	299.6	
GPZB14-120-40		12.0	13.1	14.7	16.1	17.0	19.0	20.8	26.8	
GPZB14-150-40		15.0	16.4	18.4	20.1	21.2	23.7	26.0	33.5	
GPZB14-180-40		18.0	19.7	22.0	24.2	25.5	28.5	31.2	40.2	
GPZB14-230-40		23.0	25.2	28.2	30.9	32.5	36.4	39.8	51.4	
GPZB14-280-40		28.0	30.7	34.3	37.6	39.6	44.3	48.5	62.6	
GPZB14-360-40		36.0	39.4	44.1	48.3	50.9	57.0	62.4	80.5	
GPZB14-450-40		45.0	49.3	55.1	60.4	63.6	71.2	77.9	100.6	
GPZB14-580-40		58.0	63.5	71.0	77.8	82.0	91.7	100.5	129.7	
GPZB14-720-40		72.0	78.9	88.2	96.6	102.0	114.0	125.0	161.0	
GPZB14-890-40		89.0	97.5	109.0	119.0	126.0	141.0	154.0	199.0	
GPZB14-1120-40	Stainless Steel	112.0	123.0	137.0	150.0	158.0	177.0	193.0	250.4	
GPZB14-1250-40		125.0	137.0	153.0	168.0	177.0	198.0	217.0	279.5	
GPZB14-1340-40	Tungsten Carbide	134.0	147.0	164.0	180.0	190.0	212.0	232.0	299.6	
GPZB14-120-40		12.0	13.1	14.7	16.1	17.0	19.0	20.8	26.8	
GPZB14-150-40	Brass	15.0	16.4	18.4	20.1	21.2	23.7	26.0	33.5	
GPZB14-180-40		18.0	19.7	22.0	24.2	25.5	28.5	31.2	40.2	
GPZB14-230-40		23.0	25.2	28.2	30.9	32.5	36.4	39.8	51.4	
GPZB14-280-40		28.0	30.7	34.3	37.6	39.6	44.3	48.5	62.6	
GPZB14-360-40		36.0	39.4	44.1	48.3	50.9	57.0	62.4	80.5	
GPZB14-450-40		45.0	49.3	55.1	60.4	63.6	71.2	77.9	100.6	
GPZB14-580-40		58.0	63.5	71.0	77.8	82.0	91.7	100.5	129.7	
GPZB14-720-40		72.0	78.9	88.2	96.6	102.0	114.0	125.0	161.0	
GPZB14-890-40		89.0	97.5	109.0	119.0	126.0	141.0	154.0	199.0	
GPZB14-1120-40		112.0	123.0	137.0	150.0	158.0	177.0	193.0	250.4	
GPZB14-1250-40		125.0	137.0	153.0	168.0	177.0	198.0	217.0	279.5	
GPZB14-1340-40		134.0	147.0	164.0	180.0	190.0	212.0	232.0	299.6	



High-pressure Desealing nozzle

高压除鳞喷嘴

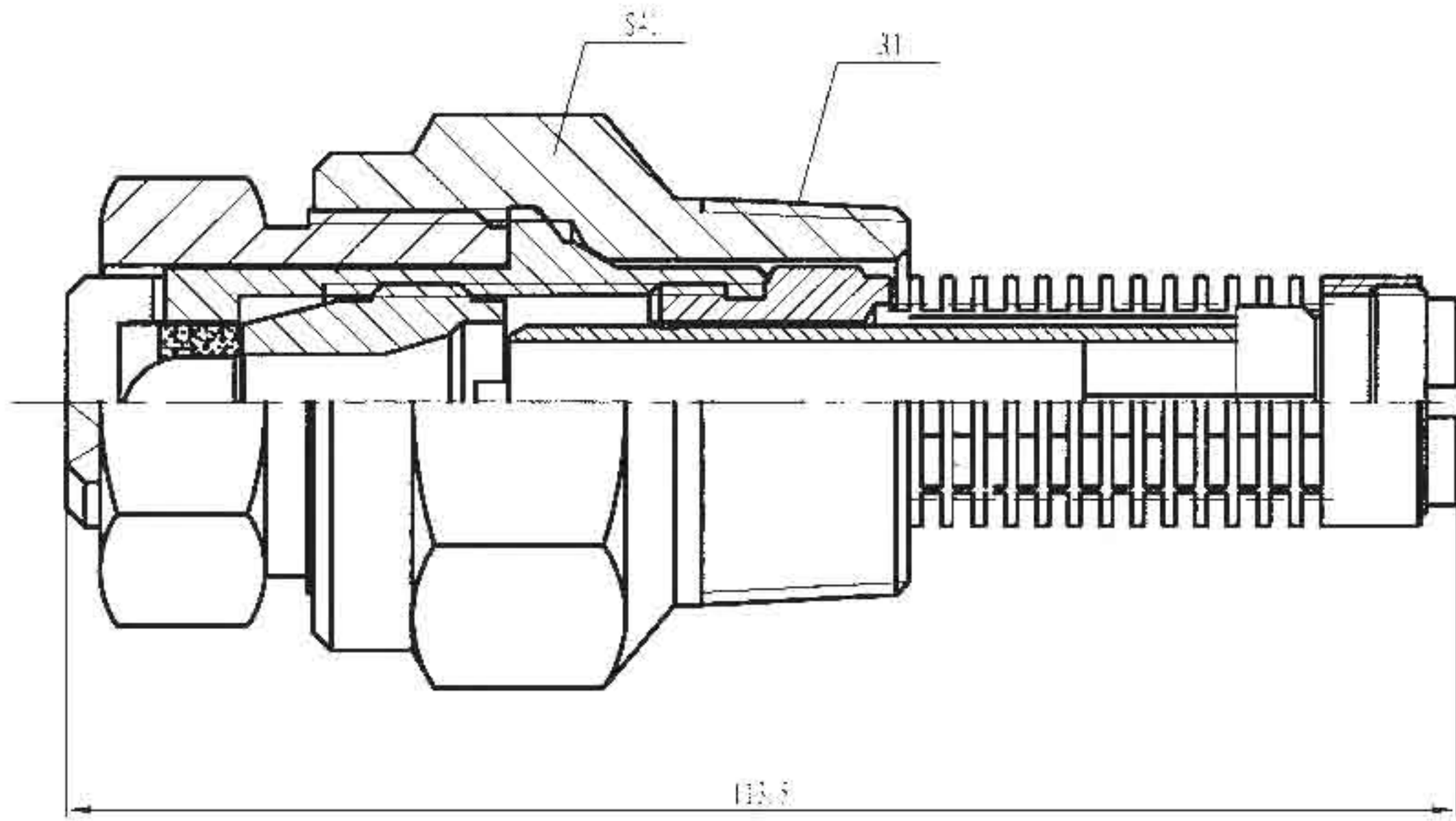
GPZB15~B18 型特性及用途

该喷嘴为一种新型高压水除鳞喷嘴，其连接方式为螺纹连接或焊接式，具有很强的打击力，喷嘴内部光滑，减少了紊流，高打击力的导向叶片增加了喷射能力，能有效地除鳞。

The Characteristics and Usage of Model GPZB15~B18

These are the new-type high-pressure nozzles that remove scale with water. They adopt screw connection or welding connection, and are strong in impact force. The smooth surface in the interior of the nozzle reduces flow disturbance. The guiding blade of high impact has increased the spraying capacity, enabling effective descaling process.

GPZB15 型:



GPZ 系列高压除鳞喷嘴性能参数表

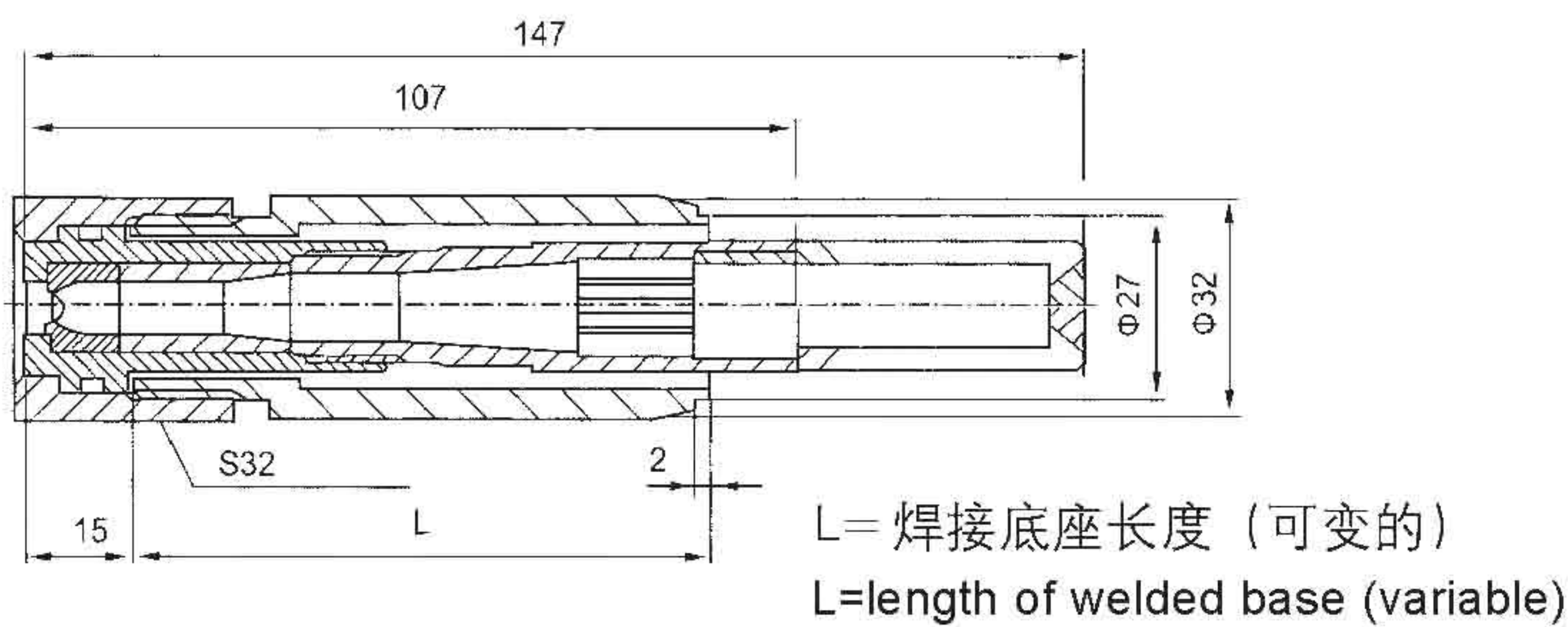
Property Parameter of GPZ Series High-pressure Descaling Nozzle

产品型号 Model	材质 Material	MPa 压力下的流量 (L/min) Flow at MPa pressure(L/min)								喷射角 (°) Spray angl (degree)
		10.0	12.0	15.0	18.0	20.0	25.0	30.0	50.0	
GPZB15-598-23	不锈钢	59.8	65.5	73.2	80.2	84.6	94.6	103.6	133.7	23
GPZB15-777-23		77.7	85.1	95.2	104.2	109.9	122.9	134.6	173.7	
GPZB15-959-23		95.9	105.1	117.5	128.7	135.6	151.6	166.1	214.4	
GPZB15-179-25		17.9	19.6	21.9	24.0	25.3	28.3	31.0	40.0	
GPZB15-226-25		22.6	24.8	27.7	30.3	32.0	35.7	39.1	50.5	25
GPZB15-299-25		29.9	32.8	36.6	40.1	42.3	47.3	51.8	66.9	
GPZB15-359-25		35.9	39.3	44.0	48.2	50.8	56.8	62.2	80.3	
GPZB15-418-25		41.8	45.8	51.2	56.1	59.1	66.1	72.4	93.5	
GPZB15-454-25		45.4	49.7	55.6	60.9	64.2	71.8	78.6	101.5	
GPZB15-538-25		53.8	58.9	65.9	72.2	76.1	85.1	93.2	120.3	
GPZB15-568-25		56.8	62.2	69.6	76.2	80.3	89.8	98.4	127.0	
GPZB15-675-25		67.5	73.9	82.7	90.6	95.5	106.7	116.9	150.9	
GPZB15-717-25		71.7	78.5	87.8	96.2	101.4	113.4	124.2	160.3	
GPZB15-902-25		90.2	98.8	110.5	121.0	127.6	142.6	156.2	201.7	
GPZB15-1016-25		101.6	111.3	124.4	136.3	143.7	160.6	176.0	227.2	28
GPZB15-1129-25		112.9	123.7	138.3	151.5	159.7	178.5	195.5	252.5	
GPZB15-1195-25		119.5	130.9	146.4	160.3	169.0	188.9	207.0	267.2	
GPZB15-1315-25		131.5	144.1	161.1	176.4	186.0	207.9	227.8	294.0	
GPZB15-1357-25	碳化钨	135.7	148.7	166.2	182.1	191.9	214.6	235.0	303.4	30
GPZB15-1600-25	铜	160.0	175.3	195.0	214.7	225.0	253.0	277.1	357.8	
GPZB15-251-28		25.1	27.5	30.7	33.7	35.5	39.7	43.5	56.1	
GPZB15-777-28	Stainless Steel	77.7	85.1	95.2	104.2	109.9	122.9	134.6	173.7	
GPZB15-179-30		17.9	19.6	21.9	24.0	25.3	28.3	31.0	40.0	32
GPZB15-454-30	Tungsten Carbide	45.4	49.7	55.6	60.9	64.2	71.8	78.6	101.5	
GPZB15-538-30		53.8	58.9	65.9	72.2	76.1	85.1	93.2	120.3	
GPZB15-675-30	Brass	67.5	73.9	82.7	90.6	95.5	106.7	116.9	150.9	
GPZB15-723-30		72.3	79.2	88.5	97.0	102.2	114.3	125.2	161.7	
GPZB15-902-30		90.2	98.8	110.5	121.0	127.6	142.6	156.2	201.7	40
GPZB15-1016-30		101.6	111.3	124.4	136.3	143.7	160.6	176.0	227.2	
GPZB15-1243-30		124.3	136.2	152.2	166.8	175.8	196.5	215.3	277.9	
GPZB15-454-32		45.4	49.7	55.6	60.9	64.2	71.8	78.6	101.5	
GPZB15-675-32		67.5	73.9	82.7	90.6	95.5	106.7	116.9	150.9	40
GPZB15-777-32		77.7	85.1	95.2	104.2	109.9	122.9	134.6	173.7	
GPZB15-902-32		90.2	98.8	110.5	121.0	127.6	142.6	156.2	201.7	
GPZB15-1076-32		107.6	117.9	131.8	144.4	152.2	170.1	186.4	240.6	
GPZB15-1129-32		112.9	123.7	138.3	151.5	159.7	178.5	195.5	252.5	40
GPZB15-335-40		33.5	36.7	41.0	44.9	47.4	53.0	58.0	74.9	
GPZB15-454-40		45.4	49.7	55.6	60.9	64.2	71.8	78.6	101.5	
GPZB15-675-40		67.5	73.9	82.7	90.6	95.5	106.7	116.9	150.9	
GPZB15-746-40		74.6	81.7	91.4	100.1	105.5	118.0	129.2	166.8	40
GPZB15-902-40		90.2	98.8	110.5	121.0	127.6	142.6	156.2	201.7	
GPZB15-1129-40		112.9	123.7	138.3	151.5	159.7	178.5	195.5	252.5	
GPZB15-1315-40		131.5	144.1	161.1	176.4	186.0	207.9	227.8	294.0	
GPZB15-1357-40		135.7	148.7	166.2	182.1	191.9	214.6	235.0	303.4	

High-pressure Desealing nozzle

高压除鳞喷嘴

GPZB16 型：



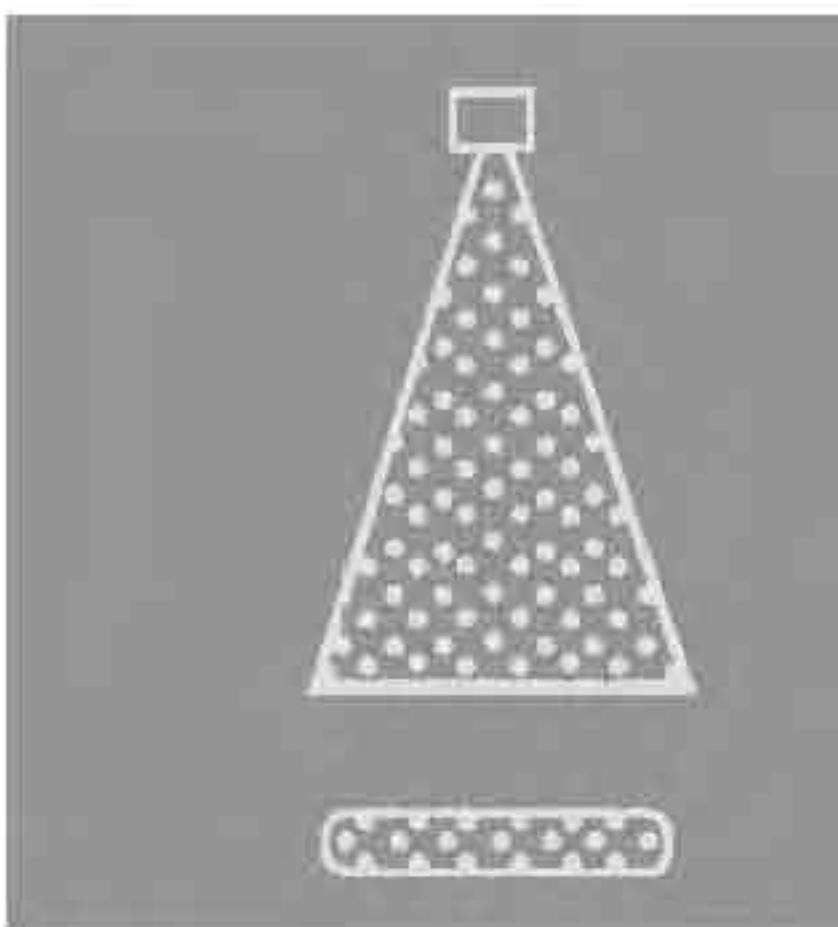
GPZ 系列高压除鳞喷嘴性能参数表

Property Parameter of GPZ Series High-pressure Descaling Nozzle

产品型号 Model	材质 Material	MPa 压力下的流量 (L/min) Flow at MPa pressure(L/min)								喷射角 (°) Spray angl (degree)
		10.0	12.0	15.0	18.0	20.0	25.0	30.0	50.0	
GPZB16-598-23	不锈钢 碳化钨 铜 Stainless Steel Tungsten Carbide Brass	59.8	65.5	73.2	80.2	84.6	94.6	103.6	133.7	23
GPZB16-777-23		77.7	85.1	95.2	104.2	109.9	122.9	134.6	173.7	
GPZB16-959-23		95.9	105.1	117.5	128.7	135.6	151.6	166.1	214.4	
GPZB16-179-25		17.9	19.6	21.9	24.0	25.3	28.3	31.0	40.0	
GPZB16-226-25		22.6	24.8	27.7	30.3	32.0	35.7	39.1	50.5	25
GPZB16-299-25		29.9	32.8	36.6	40.1	42.3	47.3	51.8	66.9	
GPZB16-359-25		35.9	39.3	44.0	48.2	50.8	56.8	62.2	80.3	
GPZB16-418-25		41.8	45.8	51.2	56.1	59.1	66.1	72.4	93.5	
GPZB16-454-25		45.4	49.7	55.6	60.9	64.2	71.8	78.6	101.5	
GPZB16-538-25		53.8	58.9	65.9	72.2	76.1	85.1	93.2	120.3	
GPZB16-568-25		56.8	62.2	69.6	76.2	80.3	89.8	98.4	127.0	
GPZB16-675-25		67.5	73.9	82.7	90.6	95.5	106.7	116.9	150.9	
GPZB16-717-25		71.7	78.5	87.8	96.2	101.4	113.4	124.2	160.3	
GPZB16-902-25		90.2	98.8	110.5	121.0	127.6	142.6	156.2	201.7	
GPZB16-1016-25		101.6	111.3	124.4	136.3	143.7	160.6	176.0	227.2	
GPZB16-1129-25		112.9	123.7	138.3	151.5	159.7	178.5	195.5	252.5	28
GPZB16-1195-25		119.5	130.9	146.4	160.3	169.0	188.9	207.0	267.2	
GPZB16-1315-25		131.5	144.1	161.1	176.4	186.0	207.9	227.8	294.0	
GPZB16-1357-25		135.7	148.7	166.2	182.1	191.9	214.6	235.0	303.4	
GPZB16-1600-25	铜 Stainless Steel Tungsten Carbide Brass	160.0	175.3	195.0	214.7	225.0	253.0	277.1	357.8	30
GPZB16-251-28		25.1	27.5	30.7	33.7	35.5	39.7	43.5	56.1	
GPZB16-777-28		77.7	85.1	95.2	104.2	109.9	122.9	134.6	173.7	
GPZB16-179-30		17.9	19.6	21.9	24.0	25.3	28.3	31.0	40.0	
GPZB16-454-30		45.4	49.7	55.6	60.9	64.2	71.8	78.6	101.5	32
GPZB16-538-30		53.8	58.9	65.9	72.2	76.1	85.1	93.2	120.3	
GPZB16-675-30		67.5	73.9	82.7	90.6	95.5	106.7	116.9	150.9	
GPZB16-723-30		72.3	79.2	88.5	97.0	102.2	114.3	125.2	161.7	
GPZB16-902-30		90.2	98.8	110.5	121.0	127.6	142.6	156.2	201.7	40
GPZB16-1016-30		101.6	111.3	124.4	136.3	143.7	160.6	176.0	227.2	
GPZB16-1243-30		124.3	136.2	152.2	166.8	175.8	196.5	215.3	277.9	
GPZB16-454-32		45.4	49.7	55.6	60.9	64.2	71.8	78.6	101.5	
GPZB16-675-32		67.5	73.9	82.7	90.6	95.5	106.7	116.9	150.9	32
GPZB16-777-32		77.7	85.1	95.2	104.2	109.9	122.9	134.6	173.7	
GPZB16-902-32		90.2	98.8	110.5	121.0	127.6	142.6	156.2	201.7	
GPZB16-1076-32		107.6	117.9	131.8	144.4	152.2	170.1	186.4	240.6	
GPZB16-1129-32		112.9	123.7	138.3	151.5	159.7	178.5	195.5	252.5	40
GPZB16-335-40		33.5	36.7	41.0	44.9	47.4	53.0	58.0	74.9	
GPZB16-454-40		45.4	49.7	55.6	60.9	64.2	71.8	78.6	101.5	
GPZB16-675-40		67.5	73.9	82.7	90.6	95.5	106.7	116.9	150.9	
GPZB16-746-40		74.6	81.7	91.4	100.1	105.5	118.0	129.2	166.8	
GPZB16-902-40		90.2	98.8	110.5	121.0	127.6	142.6	156.2	201.7	40
GPZB16-1129-40		112.9	123.7	138.3	151.5	159.7	178.5	195.5	252.5	
GPZB16-1315-40		131.5	144.1	161.1	176.4	186.0	207.9	227.8	294.0	
GPZB16-1357-40		135.7	148.7	166.2	182.1	191.9	214.6	235.0	303.4	

GPZ series high-pressure nozzle

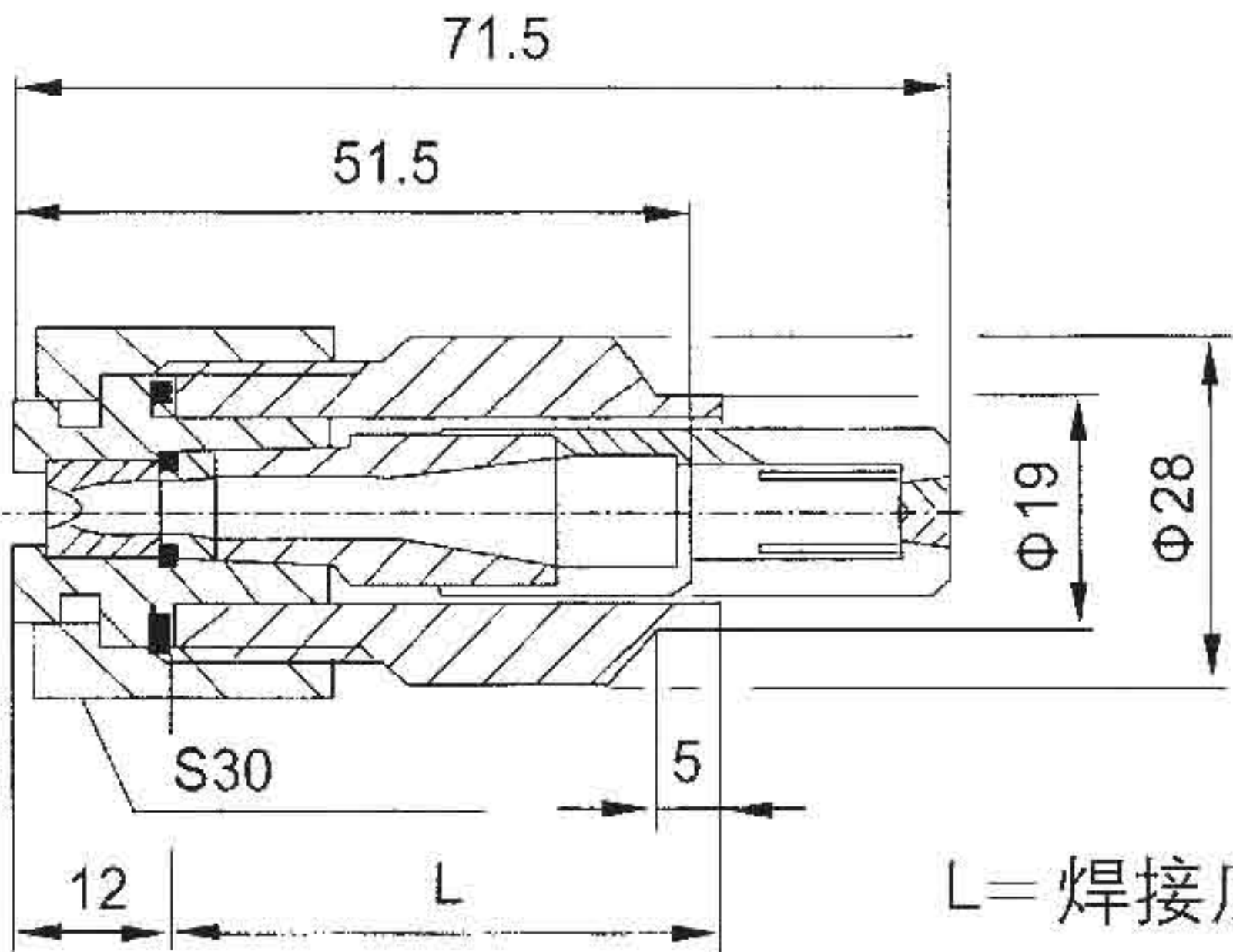
GPZ 系列高压喷嘴



High-pressure Desealing nozzle

高压除鳞喷嘴

GPZB17 型:



L= 焊接底座长度（可变的）
L=length of welded base (variable)

GPZ 系列高压除鳞喷嘴性能参数表

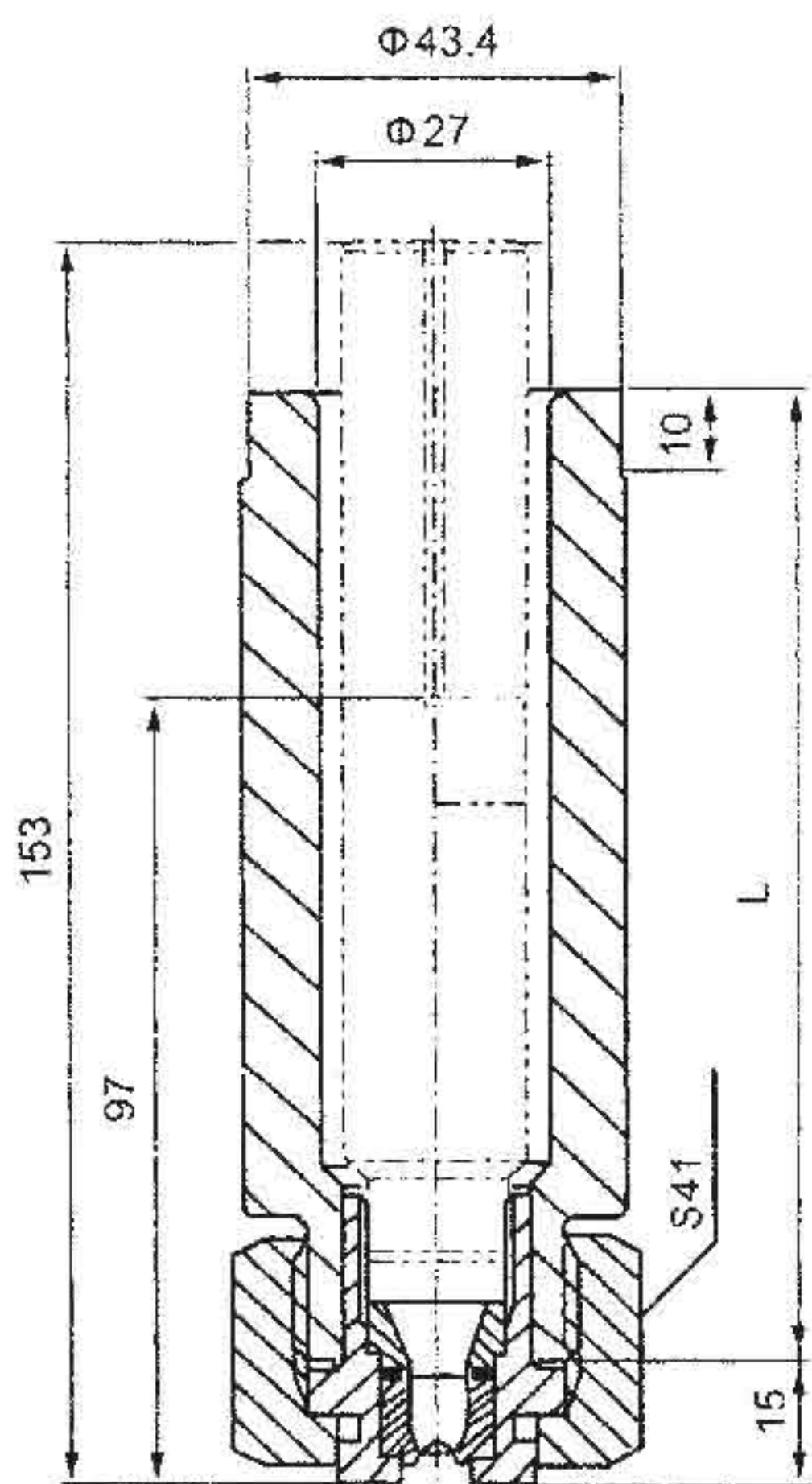
Property Parameter of GPZ Series High-pressure Descaling Nozzle

产品型号 Model	材质 Material	MPa 压力下的流量 (L/min) Flow at MPa pressure(L/min)								喷射角 (°) Spray angl (degree)
		10.0	12.0	15.0	18.0	20.0	25.0	30.0	50.0	
GPZB17-598-23	不锈钢 碳化钨 铜 Stainless Steel Tungsten Carbide Brass	59.8	65.5	73.2	80.2	84.6	94.6	103.6	133.7	23
GPZB17-777-23		77.7	85.1	95.2	104.2	109.9	122.9	134.6	173.7	
GPZB17-959-23		95.9	105.1	117.5	128.7	135.6	151.6	166.1	214.4	
GPZB17-179-25		17.9	19.6	21.9	24.0	25.3	28.3	31.0	40.0	
GPZB17-226-25		22.6	24.8	27.7	30.3	32.0	35.7	39.1	50.5	25
GPZB17-299-25		29.9	32.8	36.6	40.1	42.3	47.3	51.8	66.9	
GPZB17-359-25		35.9	39.3	44.0	48.2	50.8	56.8	62.2	80.3	
GPZB17-418-25		41.8	45.8	51.2	56.1	59.1	66.1	72.4	93.5	
GPZB17-454-25		45.4	49.7	55.6	60.9	64.2	71.8	78.6	101.5	
GPZB17-538-25		53.8	58.9	65.9	72.2	76.1	85.1	93.2	120.3	
GPZB17-568-25		56.8	62.2	69.6	76.2	80.3	89.8	98.4	127.0	
GPZB17-675-25		67.5	73.9	82.7	90.6	95.5	106.7	116.9	150.9	
GPZB17-717-25		71.7	78.5	87.8	96.2	101.4	113.4	124.2	160.3	
GPZB17-902-25		90.2	98.8	110.5	121.0	127.6	142.6	156.2	201.7	
GPZB17-1016-25		101.6	111.3	124.4	136.3	143.7	160.6	176.0	227.2	
GPZB17-1129-25		112.9	123.7	138.3	151.5	159.7	178.5	195.5	252.5	
GPZB17-1195-25		119.5	130.9	146.4	160.3	169.0	188.9	207.0	267.2	
GPZB17-1315-25		131.5	144.1	161.1	176.4	186.0	207.9	227.8	294.0	
GPZB17-1357-25		135.7	148.7	166.2	182.1	191.9	214.6	235.0	303.4	
GPZB17-1600-25		160.0	175.3	195.0	214.7	225.0	253.0	277.1	357.8	28
GPZB17-251-28		25.1	27.5	30.7	33.7	35.5	39.7	43.5	56.1	
GPZB17-777-28		77.7	85.1	95.2	104.2	109.9	122.9	134.6	173.7	
GPZB17-179-30		17.9	19.6	21.9	24.0	25.3	28.3	31.0	40.0	
GPZB17-454-30	Brass	45.4	49.7	55.6	60.9	64.2	71.8	78.6	101.5	30
GPZB17-538-30		53.8	58.9	65.9	72.2	76.1	85.1	93.2	120.3	
GPZB17-675-30		67.5	73.9	82.7	90.6	95.5	106.7	116.9	150.9	
GPZB17-723-30		72.3	79.2	88.5	97.0	102.2	114.3	125.2	161.7	
GPZB17-902-30		90.2	98.8	110.5	121.0	127.6	142.6	156.2	201.7	
GPZB17-1016-30		101.6	111.3	124.4	136.3	143.7	160.6	176.0	227.2	
GPZB17-1243-30		124.3	136.2	152.2	166.8	175.8	196.5	215.3	277.9	32
GPZB17-454-32		45.4	49.7	55.6	60.9	64.2	71.8	78.6	101.5	
GPZB17-675-32		67.5	73.9	82.7	90.6	95.5	106.7	116.9	150.9	
GPZB17-777-32		77.7	85.1	95.2	104.2	109.9	122.9	134.6	173.7	
GPZB17-902-32		90.2	98.8	110.5	121.0	127.6	142.6	156.2	201.7	
GPZB17-1076-32		107.6	117.9	131.8	144.4	152.2	170.1	186.4	240.6	
GPZB17-1129-32	40	112.9	123.7	138.3	151.5	159.7	178.5	195.5	252.5	
GPZB17-335-40		33.5	36.7	41.0	44.9	47.4	53.0	58.0	74.9	
GPZB17-454-40		45.4	49.7	55.6	60.9	64.2	71.8	78.6	101.5	
GPZB17-675-40		67.5	73.9	82.7	90.6	95.5	106.7	116.9	150.9	
GPZB17-746-40		74.6	81.7	91.4	100.1	105.5	118.0	129.2	166.8	
GPZB17-902-40		90.2	98.8	110.5	121.0	127.6	142.6	156.2	201.7	
GPZB17-1129-40		112.9	123.7	138.3	151.5	159.7	178.5	195.5	252.5	
GPZB17-1315-40		131.5	144.1	161.1	176.4	186.0	207.9	227.8	294.0	
GPZB17-1357-40		135.7	148.7	166.2	182.1	191.9	214.6	235.0	303.4	

High-pressure Desealing nozzle

高压除鳞喷嘴

GPZB18 型:



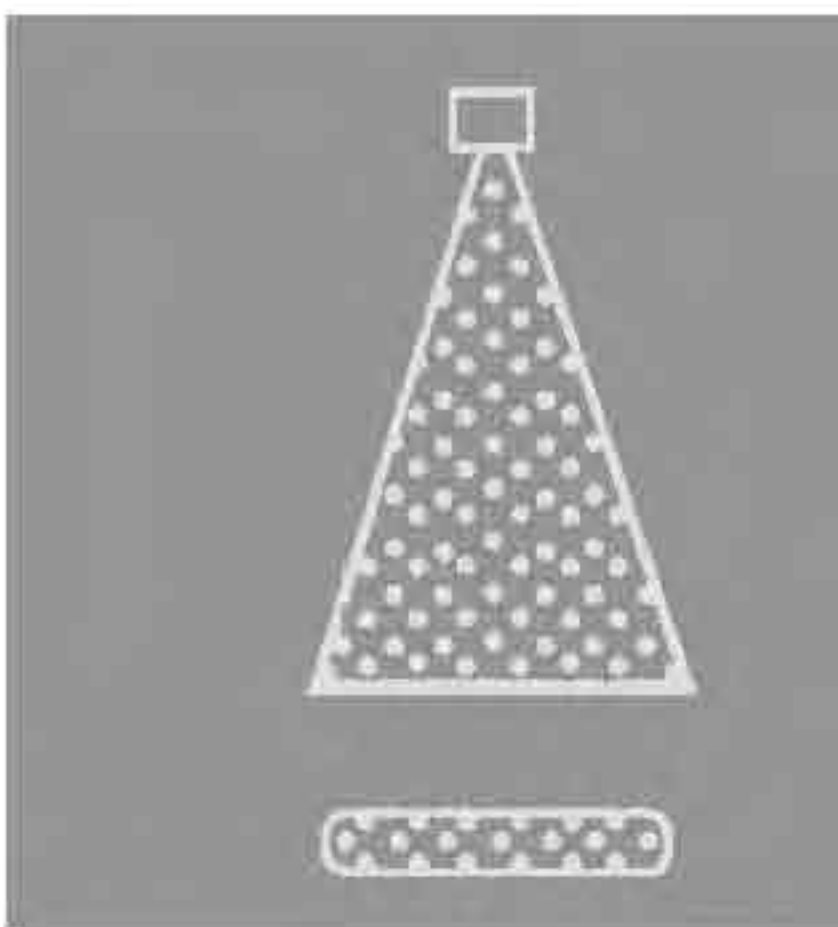
GPZ 系列高压除鳞喷嘴性能参数表

Property Parameter of GPZ Series High-pressure Descaling Nozzle

产品型号 Model	材质 Material	MPa 压力下的流量 (L/min) Flow at MPa pressure(L/min)								喷射角 (°) Spray angl (degree)
		10.0	12.0	15.0	18.0	20.0	25.0	30.0	50.0	
GPZB18-598-23	不锈钢 碳化钨 铜 Stainless Steel Tungsten Carbide Brass	59.8	65.5	73.2	80.2	84.6	94.6	103.6	133.7	23
GPZB18-777-23		77.7	85.1	95.2	104.2	109.9	122.9	134.6	173.7	
GPZB18-959-23		95.9	105.1	117.5	128.7	135.6	151.6	166.1	214.4	
GPZB18-179-25		17.9	19.6	21.9	24.0	25.3	28.3	31.0	40.0	25
GPZB18-226-25		22.6	24.8	27.7	30.3	32.0	35.7	39.1	50.5	
GPZB18-299-25		29.9	32.8	36.6	40.1	42.3	47.3	51.8	66.9	
GPZB18-359-25		35.9	39.3	44.0	48.2	50.8	56.8	62.2	80.3	
GPZB18-418-25		41.8	45.8	51.2	56.1	59.1	66.1	72.4	93.5	
GPZB18-454-25		45.4	49.7	55.6	60.9	64.2	71.8	78.6	101.5	
GPZB18-538-25		53.8	58.9	65.9	72.2	76.1	85.1	93.2	120.3	
GPZB18-568-25		56.8	62.2	69.6	76.2	80.3	89.8	98.4	127.0	
GPZB18-675-25		67.5	73.9	82.7	90.6	95.5	106.7	116.9	150.9	
GPZB18-717-25		71.7	78.5	87.8	96.2	101.4	113.4	124.2	160.3	
GPZB18-902-25		90.2	98.8	110.5	121.0	127.6	142.6	156.2	201.7	
GPZB18-1016-25		101.6	111.3	124.4	136.3	143.7	160.6	176.0	227.2	
GPZB18-1129-25		112.9	123.7	138.3	151.5	159.7	178.5	195.5	252.5	
GPZB18-1195-25		119.5	130.9	146.4	160.3	169.0	188.9	207.0	267.2	
GPZB18-1315-25		131.5	144.1	161.1	176.4	186.0	207.9	227.8	294.0	
GPZB18-1357-25		135.7	148.7	166.2	182.1	191.9	214.6	235.0	303.4	
GPZB18-1600-25	铜 Stainless Steel Tungsten Carbide Brass	160.0	175.3	195.0	214.7	225.0	253.0	277.1	357.8	28
GPZB18-251-28		25.1	27.5	30.7	33.7	35.5	39.7	43.5	56.1	
GPZB18-777-28		77.7	85.1	95.2	104.2	109.9	122.9	134.6	173.7	
GPZB18-179-30		17.9	19.6	21.9	24.0	25.3	28.3	31.0	40.0	30
GPZB18-454-30		45.4	49.7	55.6	60.9	64.2	71.8	78.6	101.5	
GPZB18-538-30		53.8	58.9	65.9	72.2	76.1	85.1	93.2	120.3	
GPZB18-675-30		67.5	73.9	82.7	90.6	95.5	106.7	116.9	150.9	
GPZB18-723-30		72.3	79.2	88.5	97.0	102.2	114.3	125.2	161.7	
GPZB18-902-30		90.2	98.8	110.5	121.0	127.6	142.6	156.2	201.7	32
GPZB18-1016-30		101.6	111.3	124.4	136.3	143.7	160.6	176.0	227.2	
GPZB18-1243-30		124.3	136.2	152.2	166.8	175.8	196.5	215.3	277.9	
GPZB18-454-32		45.4	49.7	55.6	60.9	64.2	71.8	78.6	101.5	
GPZB18-675-32		67.5	73.9	82.7	90.6	95.5	106.7	116.9	150.9	
GPZB18-777-32		77.7	85.1	95.2	104.2	109.9	122.9	134.6	173.7	
GPZB18-902-32		90.2	98.8	110.5	121.0	127.6	142.6	156.2	201.7	40
GPZB18-1076-32		107.6	117.9	131.8	144.4	152.2	170.1	186.4	240.6	
GPZB18-1129-32		112.9	123.7	138.3	151.5	159.7	178.5	195.5	252.5	
GPZB18-335-40		33.5	36.7	41.0	44.9	47.4	53.0	58.0	74.9	
GPZB18-454-40		45.4	49.7	55.6	60.9	64.2	71.8	78.6	101.5	
GPZB18-675-40		67.5	73.9	82.7	90.6	95.5	106.7	116.9	150.9	
GPZB18-746-40		74.6	81.7	91.4	100.1	105.5	118.0	129.2	166.8	
GPZB18-902-40		90.2	98.8	110.5	121.0	127.6	142.6	156.2	201.7	
GPZB18-1129-40		112.9	123.7	138.3	151.5	159.7	178.5	195.5	252.5	
GPZB18-1315-40		131.5	144.1	161.1	176.4	186.0	207.9	227.8	294.0	
GPZB18-1357-40		135.7	148.7	166.2	182.1	191.9	214.6	235.0	303.4	

GPZ series high-pressure nozzle

GPZ 系列高压喷嘴



High-pressure Desealing nozzle

高压除鳞喷嘴

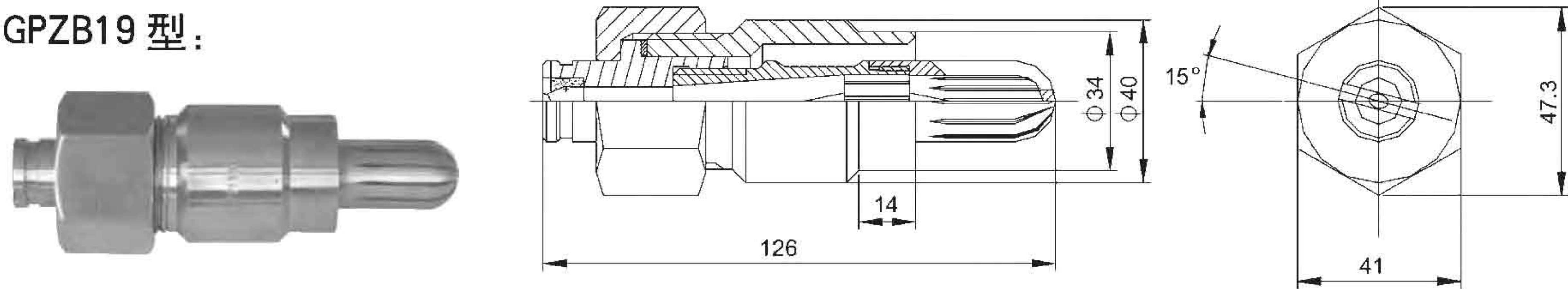
GPZB19~B21 型特性及用途

该喷嘴为一种强冲击力除鳞喷嘴，广泛应用于钢板轧制过程中，保证了钢板的表面质量，且该喷嘴的内部结构优于其它喷嘴，使用寿命长。

The Characteristics and Usage of Model GPZB19~B21

These are the descaling nozzles of strong impact, which are widely applied in process of steel plate rolling for ensuring the surface quality of the steel plates. The interior structures of the nozzles are better than those of other nozzles. They are long in service life.

GPZB19 型:



GPZ 系列高压除鳞喷嘴性能参数表

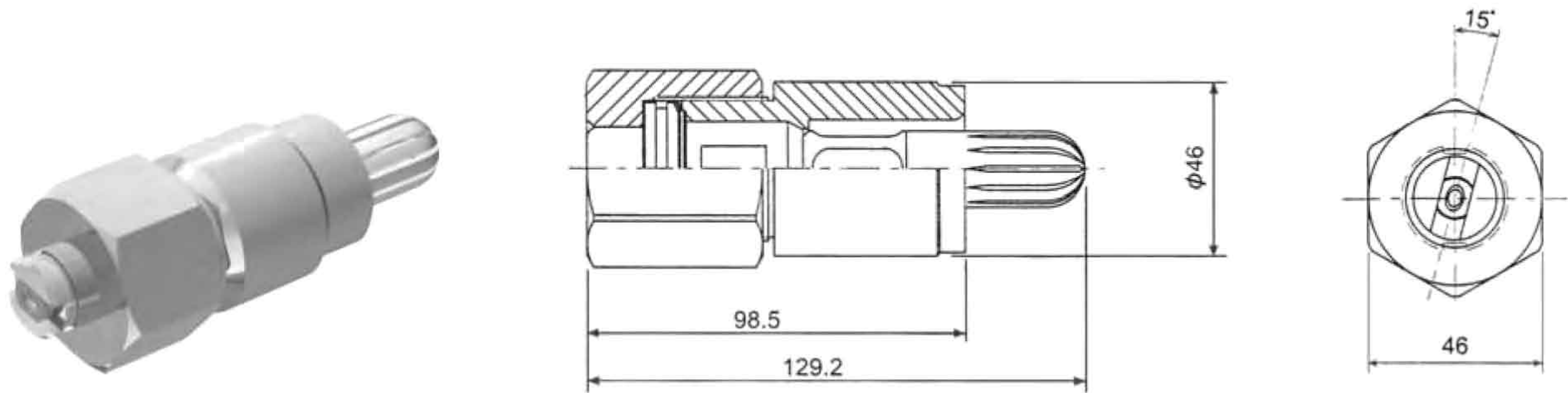
Property Parameter of GPZ Series High-pressure Descaling Nozzle

产品型号 Model	材质 Material	MPa 压力下的流量 (L/min)									喷射角 (°)
		Flow at MPa pressure(L/min)									Spray angle (degree)
GPZB19-240-27	不 锈 钢	10.0	12.0	15.0	18.0	20.0	25.0	30.0	50.0		
GPZB19-300-27		24.0	26.3	29.4	32.2	33.9	37.9	41.6	53.7	27	
GPZB19-300-43		30.0	32.9	36.8	40.2	42.4	47.4	52.0	67.0	27	
GPZB19-360-27		30.0	32.9	36.8	40.2	42.4	47.4	52.0	67.0	43	
GPZB19-360-30		36.0	39.5	44.1	48.3	50.9	56.9	62.4	80.5	27	
GPZB19-360-35		36.0	39.5	44.1	48.3	50.9	56.9	62.4	80.5	30	
GPZB19-453-27		36.0	39.5	44.1	48.3	50.9	56.9	62.4	80.5	35	
GPZB19-453-33		45.3	49.7	55.5	60.8	64.1	71.6	78.5	101.3	27	
GPZB19-453-35		45.3	49.7	55.5	60.8	64.1	71.6	78.5	101.3	33	
GPZB19-453-43		45.3	49.7	55.5	60.8	64.1	71.6	78.5	101.3	35	
GPZB19-600-25	碳化钨	45.3	49.7	55.5	60.8	64.1	71.6	78.5	101.3	43	
GPZB19-677-27		60.0	65.7	73.5	80.5	84.9	94.9	103.9	134.2	25	
GPZB19-677-33	铜	67.7	74.2	83.0	90.8	95.7	107.0	117.3	151.4	27	
GPZB19-677-35		67.7	74.2	83.0	90.8	95.7	107.0	117.3	151.4	33	
GPZB19-677-37	铜	67.7	74.2	83.0	90.8	95.7	107.0	117.3	151.4	35	
GPZB19-677-43		67.7	74.2	83.0	90.8	95.7	107.0	117.3	151.4	37	
GPZB19-775-25	Stainless Steel	67.7	74.2	83.0	90.8	95.7	107.0	117.3	151.4	43	
GPZB19-775-35		77.5	84.9	95.0	104.0	109.6	122.5	134.2	173.3	25	
GPZB19-905-27	Tungsten Carbide	77.5	84.9	95.0	104.0	109.6	122.5	134.2	173.3	35	
GPZB19-905-33		90.5	99.2	111	121.4	128.0	143.1	156.8	202.4	27	
GPZB19-905-35	Brass	90.5	99.2	111	121.4	128.0	143.1	156.8	202.4	33	
GPZB19-905-37		90.5	99.2	111	121.4	128.0	143.1	156.8	202.4	35	
GPZB19-905-40	铜	90.5	99.2	111	121.4	128.0	143.1	156.8	202.4	37	
GPZB19-905-43		90.5	99.2	111	121.4	128.0	143.1	156.8	202.4	40	
GPZB19-950-25	铜	90.5	99.2	111	121.4	128.0	143.1	156.8	202.4	43	
GPZB19-1080-27		95	104	116	127.5	134.4	150.2	164.5	212.4	25	
GPZB19-1080-33	铜	108	118	132	144.9	152.7	170.8	187.1	241.5	27	
GPZB19-1130-27		108	118	132	144.9	152.7	170.8	187.1	241.5	33	
GPZB19-1130-35	铜	113	124	138	151.6	160.0	178.7	195.7	252.7	27	
GPZB19-1130-39		113	124	138	151.6	160.0	178.7	195.7	252.7	35	
GPZB19-1130-43	铜	113	124	138	151.6	160.0	178.7	195.7	252.7	39	
GPZB19-1360-27		113	124	138	151.6	160.0	178.7	195.7	252.7	43	
GPZB19-1360-35	铜	136	148	167	182.5	192.3	215.0	235.6	304.1	27	
GPZB19-1540-35		136	148	167	182.5	192.3	215.0	235.6	304.1	35	
GPZB19-1800-33	铜	154	169	189	206.6	217.8	243.5	266.7	344.4	35	
		180	197	220	241.5	254.6	284.6	311.8	402.5	33	

High-pressure Desealing nozzle

高压除鳞喷嘴

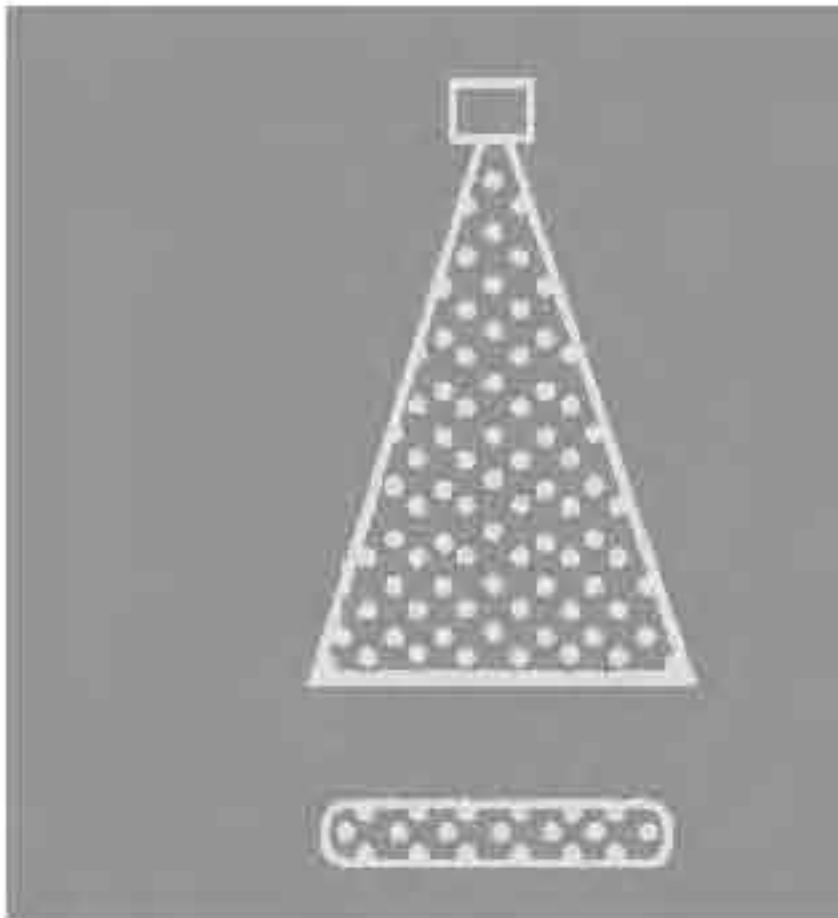
GPZB20 型：



GPZ 系列高压除鳞喷嘴性能参数表

Property Parameter of GPZ Series High-pressure Descaling Nozzle

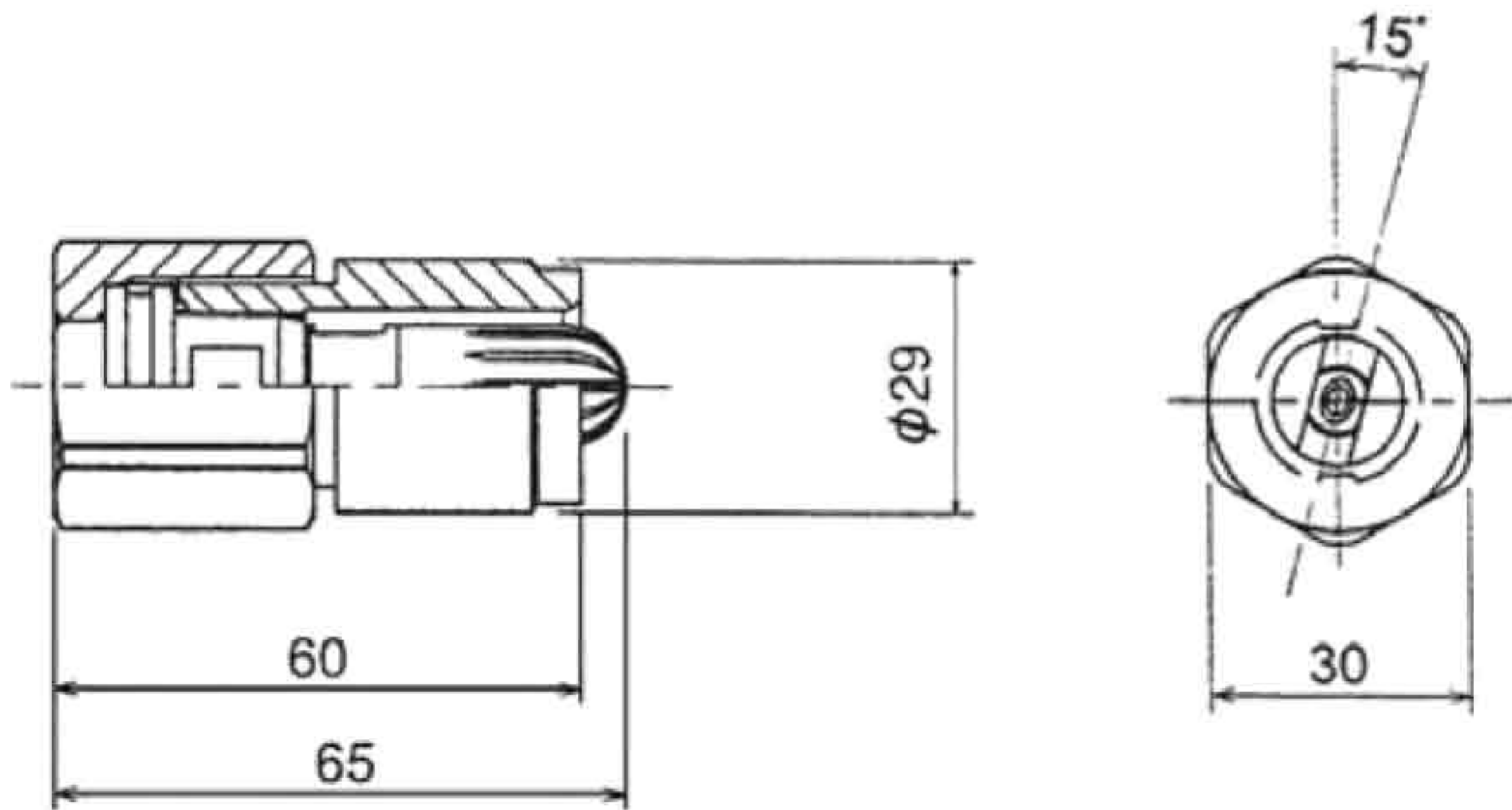
产 品 型 号 Model		材 质 Material	MPa 压力下的流量 (L/min)								喷射角 (°)	
			Flow at MPa pressure(L/min)								Spray angle (degree)	
			10.0	12.0	15.0	18.0	20.0	25.0	30.0	50.0		
GPZB20-240-27		不 锈 钢	24.0	26.3	29.4	32.2	33.9	37.9	41.6	53.7	27	
GPZB20-300-27			30.0	32.9	36.8	40.2	42.4	47.4	52.0	67.0	27	
GPZB20-300-43			30.0	32.9	36.8	40.2	42.4	47.4	52.0	67.0	43	
GPZB20-360-27			36.0	39.5	44.1	48.3	50.9	56.9	62.4	80.5	27	
GPZB20-360-30			36.0	39.5	44.1	48.3	50.9	56.9	62.4	80.5	30	
GPZB20-360-35			36.0	39.5	44.1	48.3	50.9	56.9	62.4	80.5	35	
GPZB20-453-27			45.3	49.7	55.5	60.8	64.1	71.6	78.5	101.3	27	
GPZB20-453-33			45.3	49.7	55.5	60.8	64.1	71.6	78.5	101.3	33	
GPZB20-453-35			45.3	49.7	55.5	60.8	64.1	71.6	78.5	101.3	35	
GPZB20-453-43			45.3	49.7	55.5	60.8	64.1	71.6	78.5	101.3	43	
GPZB20-600-25			60.0	65.7	73.5	80.5	84.9	94.9	103.9	134.2	25	
GPZB20-677-27			67.7	74.2	83.0	90.8	95.7	107.0	117.3	151.4	27	
GPZB20-677-33			67.7	74.2	83.0	90.8	95.7	107.0	117.3	151.4	33	
GPZB20-677-35			67.7	74.2	83.0	90.8	95.7	107.0	117.3	151.4	35	
GPZB20-677-37			67.7	74.2	83.0	90.8	95.7	107.0	117.3	151.4	37	
GPZB20-677-43			67.7	74.2	83.0	90.8	95.7	107.0	117.3	151.4	43	
GPZB20-775-25			铜	77.5	84.9	95.0	104.0	109.6	122.5	134.2	173.3	25
GPZB20-775-35			Stainless Steel	77.5	84.9	95.0	104.0	109.6	122.5	134.2	173.3	35
GPZB20-905-27			Tungsten Carbide	90.5	99.2	111	121.4	128.0	143.1	156.8	202.4	27
GPZB20-905-33			Brass	90.5	99.2	111	121.4	128.0	143.1	156.8	202.4	33
GPZB20-905-35				90.5	99.2	111	121.4	128.0	143.1	156.8	202.4	35
GPZB20-905-37				90.5	99.2	111	121.4	128.0	143.1	156.8	202.4	37
GPZB20-905-40				90.5	99.2	111	121.4	128.0	143.1	156.8	202.4	40
GPZB20-905-43				90.5	99.2	111	121.4	128.0	143.1	156.8	202.4	43
GPZB20-950-25		95		104	116	127.5	134.4	150.2	164.5	212.4	25	
GPZB20-1080-27		108		118	132	144.9	152.7	170.8	187.1	241.5	27	
GPZB20-1080-33		108		118	132	144.9	152.7	170.8	187.1	241.5	33	
GPZB20-1130-27		113		124	138	151.6	160.0	178.7	195.7	252.7	27	
GPZB20-1130-35		113		124	138	151.6	160.0	178.7	195.7	252.7	35	
GPZB20-1130-39		113		124	138	151.6	160.0	178.7	195.7	252.7	39	
GPZB20-1130-43		113		124	138	151.6	160.0	178.7	195.7	252.7	43	
GPZB20-1360-27		136	148	167	182.5	192.3	215.0	235.6	304.1	27		
GPZB20-1360-35		136	148	167	182.5	192.3	215.0	235.6	304.1	35		
GPZB20-1540-35		154	169	189	206.6	217.8	243.5	266.7	344.4	35		
GPZB20-1800-33		180	197	220	241.5	254.6	284.6	311.8	402.5	33		



High-pressure Desealing nozzle

高压除鳞喷嘴

GPZB21 型：



GPZ 系列高压除鳞喷嘴性能参数表
Property Parameter of GPZ Series High-pressure Descaling Nozzle

产 品 型 号 Model		材 质 Material	MPa 压力下的流量 (L/min) Flow at MPa pressure(L/min)								喷射角 (°) Spray angle (degree)
			10.0	12.0	15.0	18.0	20.0	25.0	30.0	50.0	
GPZB21-180-27		不 锈 钢 碳 化 钨 铜 Stainless Steel Tungsten Carbide Brass	18.0	19.7	22.0	24.2	25.5	28.5	31.2	40.2	27
GPZB21-180-35			18.0	19.7	22.0	24.2	25.5	28.5	31.2	40.2	35
GPZB21-180-43			18.0	19.7	22.0	24.2	25.5	28.5	31.2	40.2	43
GPZB21-240-27			24.0	26.3	29.4	32.2	33.9	37.9	41.6	53.7	27
GPZB21-240-35			24.0	26.3	29.4	32.2	33.9	37.9	41.6	53.7	35
GPZB21-240-43			24.0	26.3	29.4	32.2	33.9	37.9	41.6	53.7	43
GPZB21-300-27			30.0	32.9	36.8	40.2	50.9	47.4	52.0	67.1	27
GPZB21-300-35			30.0	32.9	36.8	40.2	50.9	47.4	52.0	67.1	35
GPZB21-300-43			30.0	32.9	36.8	40.2	50.9	47.4	52.0	67.1	43
GPZB21-360-27			36.0	39.5	44.1	48.3	50.9	56.9	62.4	80.5	27
GPZB21-360-35			36.0	39.5	44.1	48.3	50.9	56.9	62.4	80.5	35
GPZB21-360-43			36.0	39.5	44.1	48.3	50.9	56.9	62.4	80.5	43
GPZB21-420-27			42.0	46.0	51.4	56.3	59.4	66.4	72.7	93.9	27
GPZB21-420-35			42.0	46.0	51.4	56.3	59.4	66.4	72.7	93.9	35
GPZB21-420-43			42.0	46.0	51.4	56.3	59.4	66.4	72.7	93.9	43
GPZB21-453-27			45.3	49.7	55.5	60.8	64.1	71.6	78.5	101.3	27
GPZB21-453-35			45.3	49.7	55.5	60.8	64.1	71.6	78.5	101.3	35
GPZB21-453-43			45.3	49.7	55.5	60.8	64.1	71.6	78.5	101.3	43
GPZB21-540-27		54.0	59.2	66.1	72.4	76.4	85.4	93.5	121.0	27	
GPZB21-540-35		54.0	59.2	66.1	72.4	76.4	85.4	93.5	121.0	35	
GPZB21-540-43		54.0	59.2	66.1	72.4	76.4	85.4	93.5	121.0	43	

High-pressure Desealing nozzle

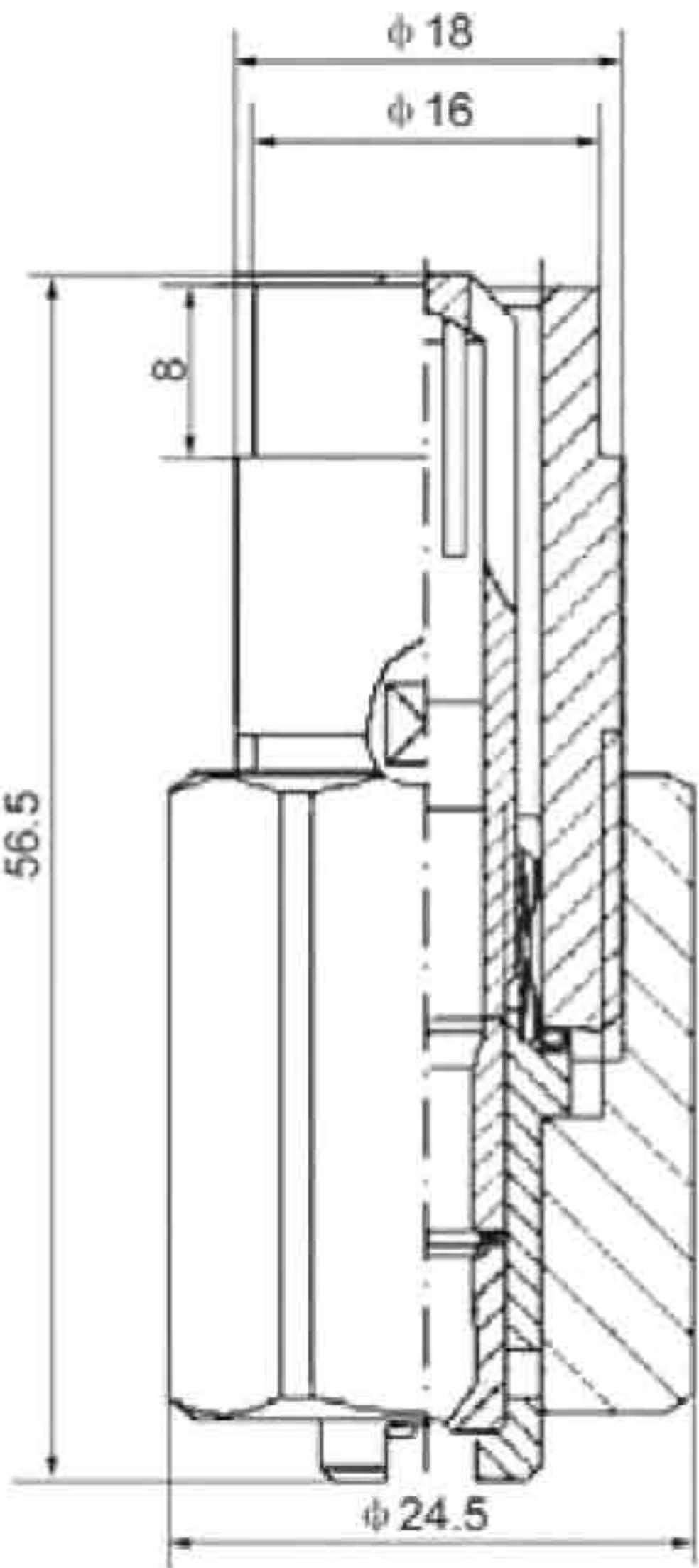
高压除鳞喷嘴

GPZB22 型特性及用途

该喷嘴为一种新型高压除鳞喷嘴，其焊座直径小，这样可以使我们制造复杂的喷射环，也可以在带材除鳞时采用薄壁集管，既实现了最高的打击力，将钢材表面清理的很干净，提高产品的表面质量，又有效地降低了成本，减少了昂贵的轧辊修磨的消耗。

The Characteristics and Usage of Model GPZB22

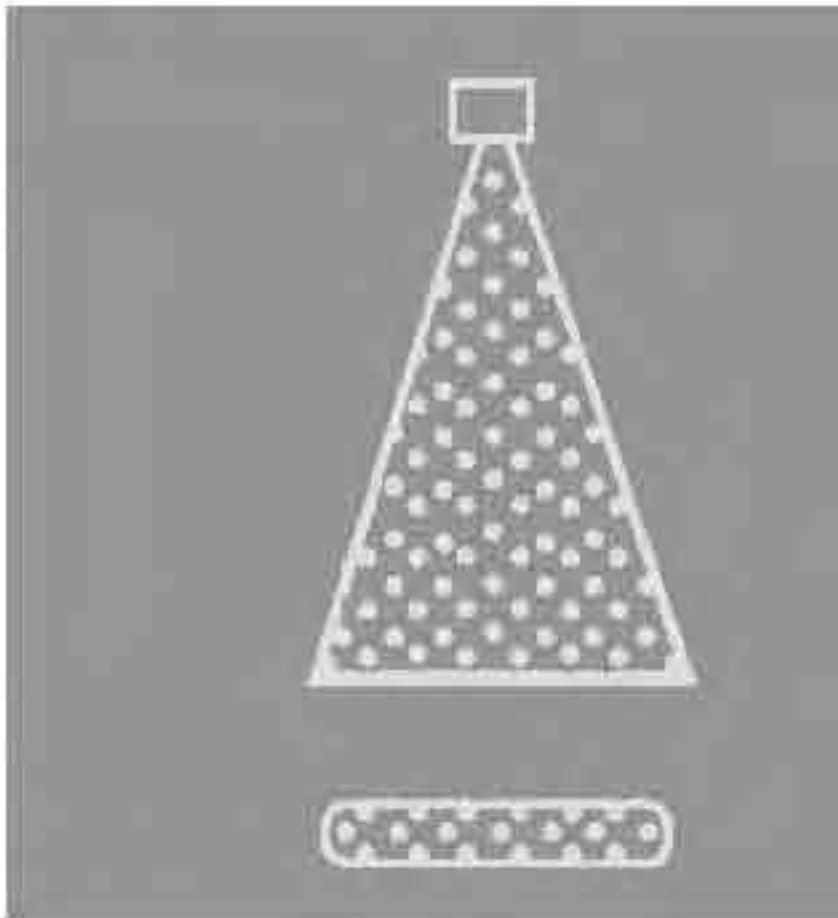
This is a new-type high-pressure descaling nozzle. With the welded base small in diameter, the nozzle enables complicated spraying circles and may also enable the use of think-wall collector pipes when descaling belt materials, achieving strong impact for totally cleaning the steel surface and improving surface quality on one hand and effectively reducing the costs on the other. Thus, the high costs for repairing and grinding the rollers are reduced.



GPZ 系列高压除鳞喷嘴性能参数表

Property Parameter of GPZ Series High-pressure Descaling Nozzle

产品型号 Model	材质 Material	MPa 压力下的流量 (L/min) Flow at MPa pressure(L/min)								喷射角 (°) Spray angle (degree)
		10.0	12.0	15.0	18.0	20.0	25.0	30.0	50.0	
GPZB22-120-22	不锈钢	12.0	13.1	14.7	16.1	17.0	19.0	20.8	26.8	22
GPZB22-150-22		15.0	16.4	18.4	20.1	21.2	23.7	26	33.5	
GPZB22-180-22		18.0	19.7	22.0	24.2	25.5	28.5	31.2	40.2	
GPZB22-230-22		23.0	25.2	28.2	30.9	30.9	36.4	39.8	51.4	
GPZB22-280-22		28.0	30.7	34.3	37.6	37.6	44.3	48.5	62.6	
GPZB22-120-26	碳化钨	12.0	13.1	14.7	16.1	17.0	19.0	20.8	26.8	26
GPZB22-150-26		15.0	16.4	18.4	20.1	21.2	23.7	26	33.5	
GPZB22-180-26	铜	18.0	19.7	22.0	24.2	25.5	28.5	31.2	40.2	26
GPZB22-230-26		23.0	25.2	28.2	30.9	30.9	36.4	39.8	51.4	
GPZB22-280-26	Stainless Steel	28.0	30.7	34.3	37.6	37.6	44.3	48.5	62.6	26
GPZB22-120-30		12.0	13.1	14.7	16.1	17.0	19.0	20.8	26.8	30
GPZB22-150-30	Tungsten Carbide	15.0	16.4	18.4	20.1	21.2	23.7	26	33.5	
GPZB22-180-30		18.0	19.7	22.0	24.2	25.5	28.5	31.2	40.2	
GPZB22-230-30	Brass	23.0	25.2	28.2	30.9	30.9	36.4	39.8	51.4	
GPZB22-280-30		28.0	30.7	34.3	37.6	37.6	44.3	48.5	62.6	
GPZB22-120-40	Stainless Steel	12.0	13.1	14.7	16.1	17.0	19.0	20.8	26.8	40
GPZB22-150-40		15.0	16.4	18.4	20.1	21.2	23.7	26	33.5	
GPZB22-180-40		18.0	19.7	22.0	24.2	25.5	28.5	31.2	40.2	
GPZB22-230-40		23.0	25.2	28.2	30.9	30.9	36.4	39.8	51.4	
GPZB22-280-40		28.0	30.7	34.3	37.6	37.6	44.3	48.5	62.6	

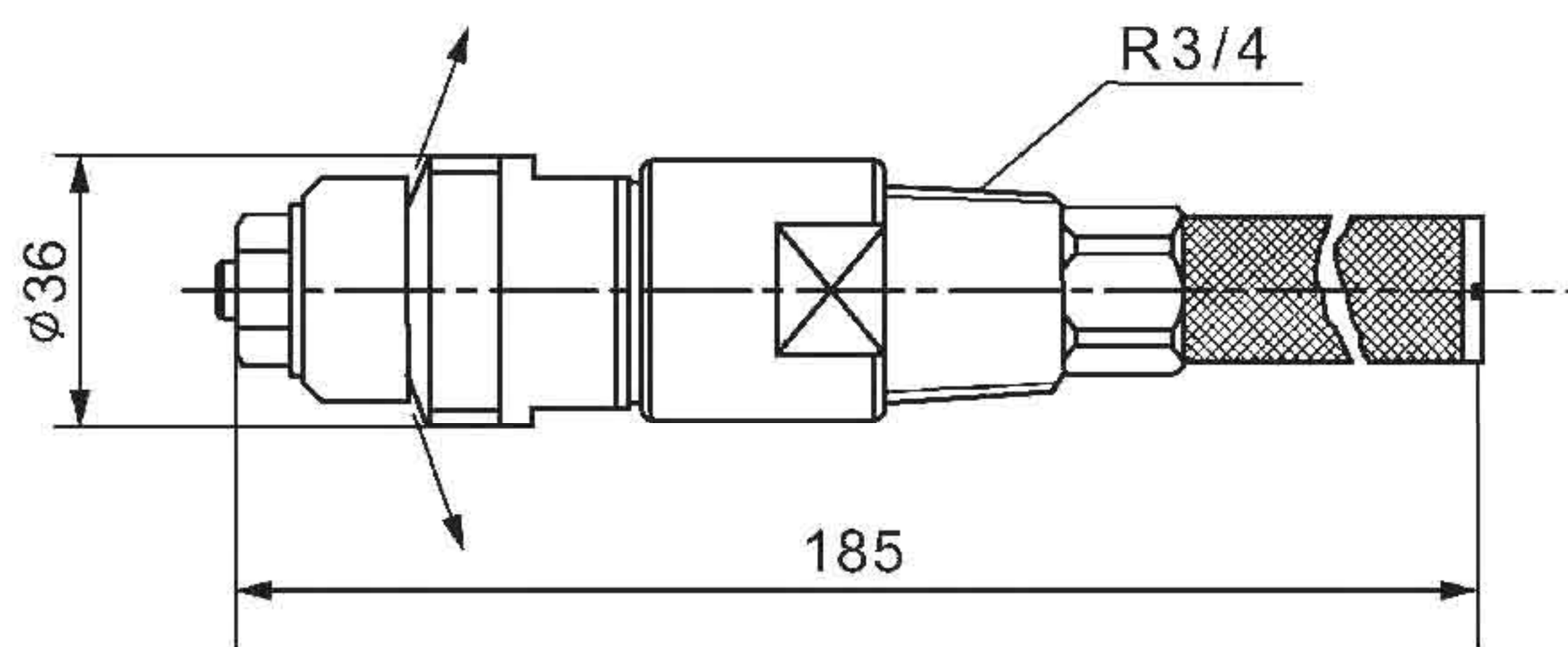
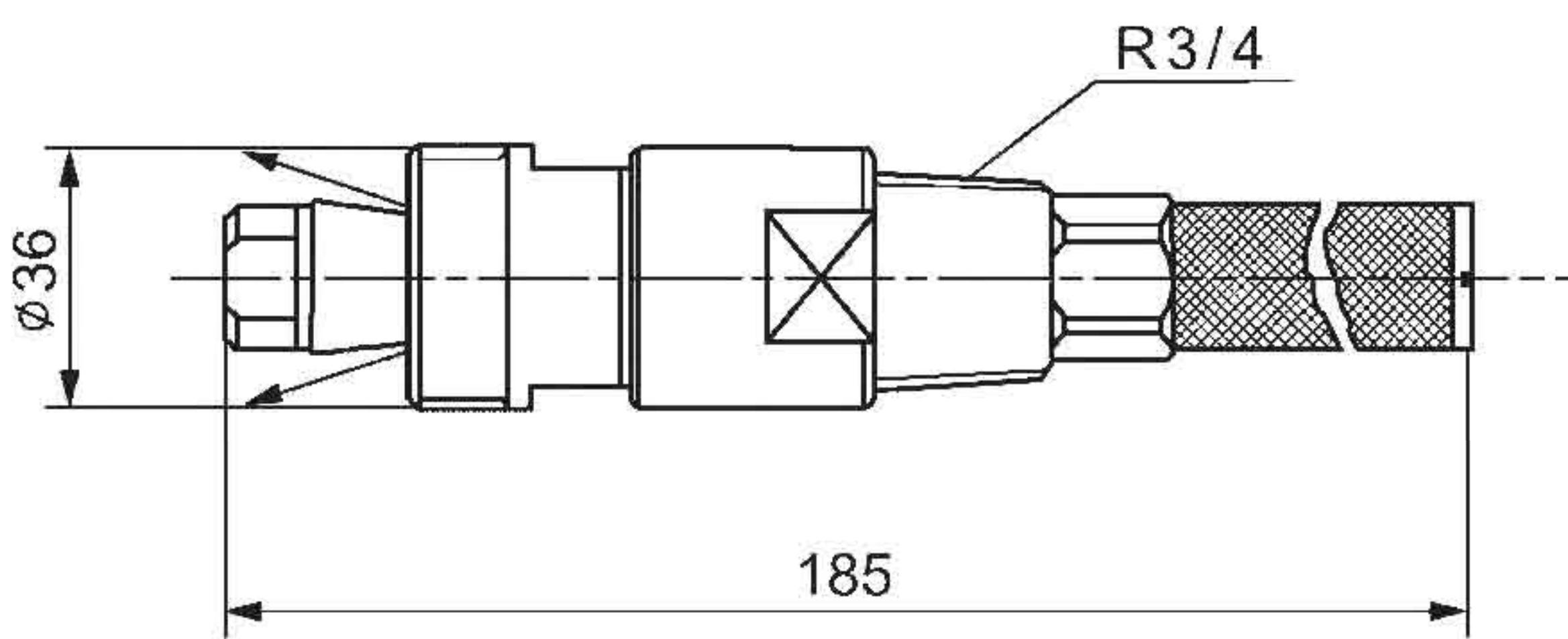
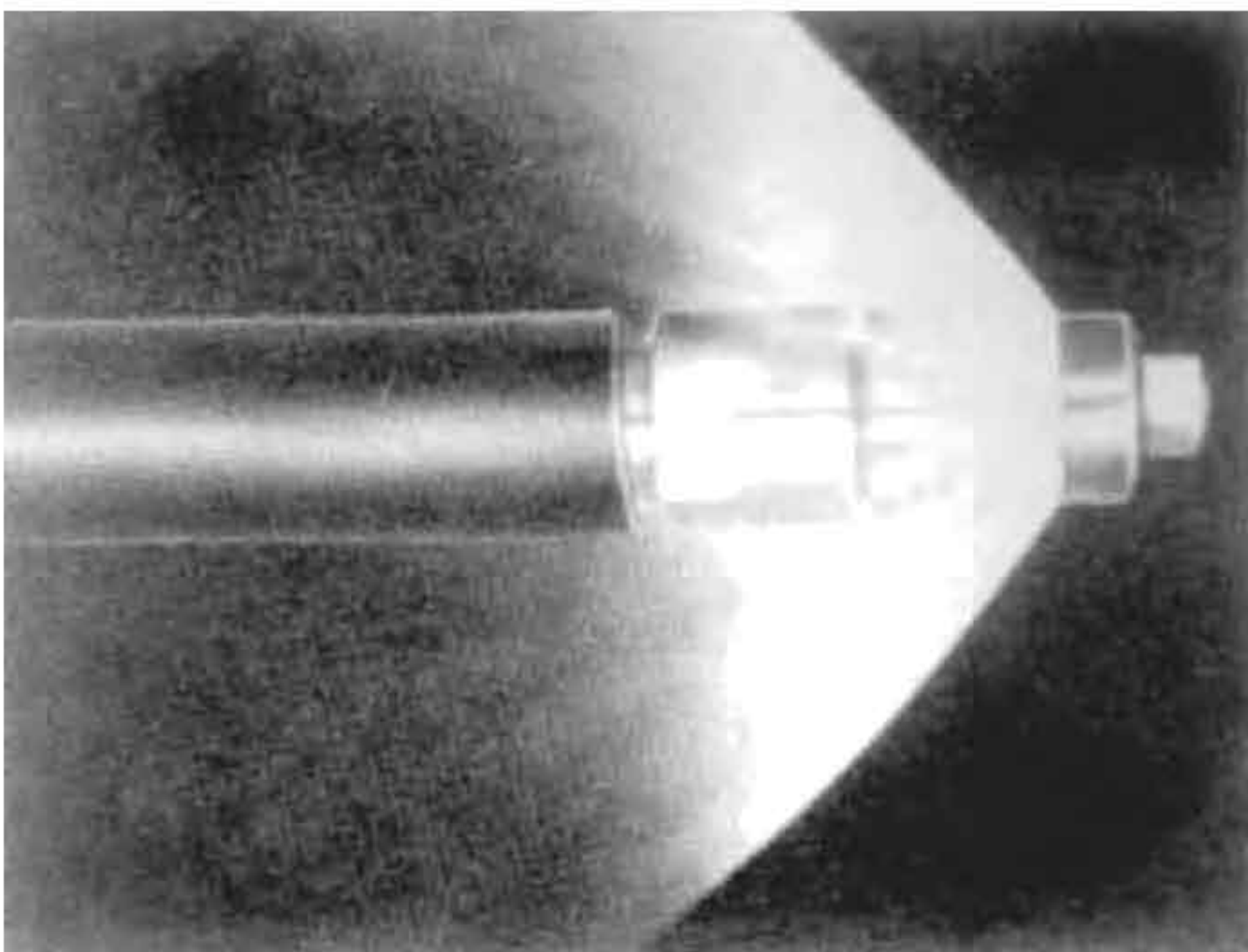


GPZY0 型管内除鳞喷嘴：

这种喷嘴可以形成一个圆环形的高压喷射，因而主要应用于钢管内壁的除鳞或各种输送管道的清洗，喷射方向可以向前或向后，喷射角度及喷嘴材质可根据用户需要提供。

Model GPZY0 Descaling Nozzle in pipe:

This nozzle can form a high - pressure spray of round ring. So it is mainly used for the scale removal of the internal wall of steel pipe and for the washing of various conveyer pipes. The spray direction can be forward or backward. Can provide the angle of spray and material of nozzle according to user' s demand.



GPZ 系列高压除鳞喷嘴性能参数表

Property Parameter of GPZ Series High-pressure Descaling Nozzle

产品型号 Model		材质 Material	MPa 压力下的流量 (L/min) Flow at MPa pressure(L/min)								喷射角 (°) Spray angle (degree)
			7.0	8.0	9.0	10.0	12.0	15.0	18.0	20.0	
GPZY0 -1800-4		硬化不锈钢	150.6	161.0	170.8	180.0	197.2	220.5	241.5	254.6	前方 4
GPZY0 -1800-14			150.6	161.0	170.8	180.0	197.2	220.5	241.5	254.6	前方 14
GPZY0 -1800-26			150.6	161.0	170.8	180.0	197.2	220.5	241.5	254.6	前方 26
GPZY0 -1800-36			150.6	161.0	170.8	180.0	197.2	220.5	241.5	254.6	前方 36
GPZY0 -1800-120			150.6	161.0	170.8	180.0	197.2	220.5	241.5	254.6	前(后)方 120
GPZY0 -1800-150		碳化钨	150.6	161.0	170.8	180.0	197.2	220.5	241.5	254.6	前(后)方 150
GPZY0 -2100-4		铜	175.7	187.8	199.2	210.0	230.0	257.2	281.7	297.0	前方 4
GPZY0 -2100-14			175.7	187.8	199.2	210.0	230.0	257.2	281.7	297.0	前方 14
GPZY0 -2100-26			175.7	187.8	199.2	210.0	230.0	257.2	281.7	297.0	前方 26
GPZY0 -2100-36			175.7	187.8	199.2	210.0	230.0	257.2	281.7	297.0	前方 36
GPZY0 -2100-120			175.7	187.8	199.2	210.0	230.0	257.2	281.7	297.0	前(后)方 120
GPZY0 -2100-150		tungsten carbide	175.7	187.8	199.2	210.0	230.0	257.2	281.7	297.0	前(后)方 150
GPZY0 -2400-120		Brass	200.8	214.7	227.7	240.0	262.9	293.9	322.0	339.4	前(后)方 120
GPZY0 -2400-150			200.8	214.7	227.7	240.0	262.9	293.9	322.0	339.4	前(后)方 150
GPZY0 -2700-120			225.9	241.5	256.1	270.0	295.8	330.7	362.2	381.8	前(后)方 120
GPZY0 -2700-150			225.9	241.5	256.1	270.0	295.8	330.7	362.2	381.8	前(后)方 150
GPZY0 -3000-120			251.0	268.3	284.6	300.0	328.6	367.4	402.5	424.3	前(后)方 120
GPZY0 -3000-150			251.0	268.3	284.6	300.0	328.6	367.4	402.5	424.3	前(后)方 150



GPZB100 型开发与应用：

我公司新近开发的高压涂层喷嘴是具有超常的耐磨性，高冲击力喷射形状为扇形的喷嘴。该喷嘴结构紧凑，喷雾均匀，喷射角从 5° 到 110°，覆盖范围大，适用于化工喷涂，空气增湿等。

The Development and appliance of Model GPZB100:

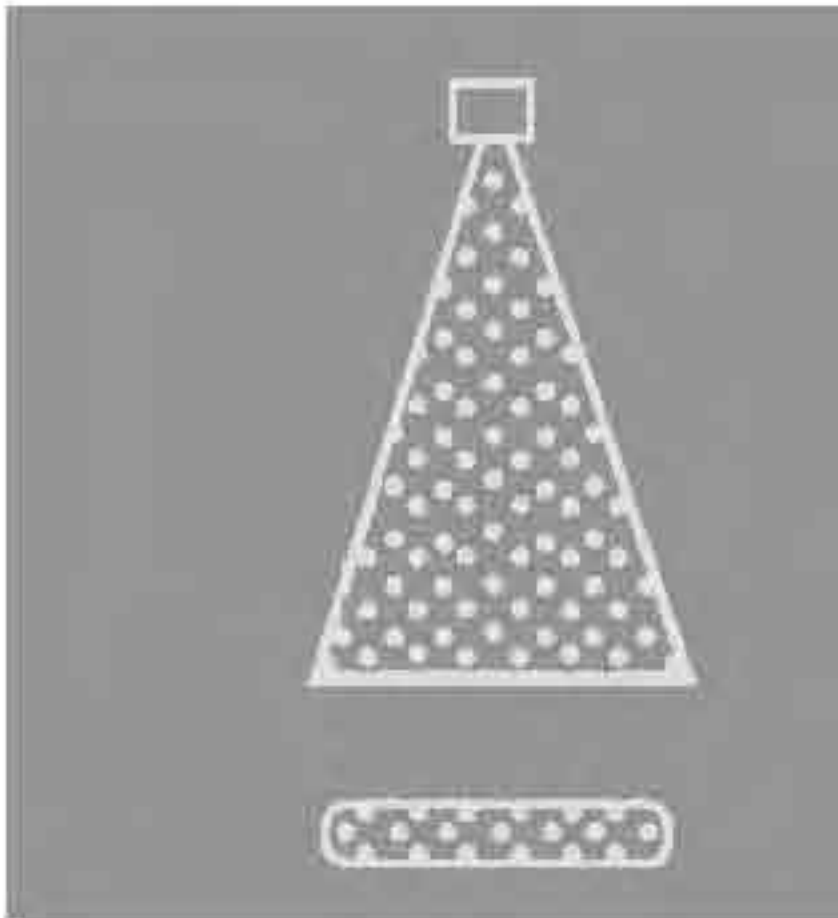
The high-pressure coating nozzles developed by our company is with super high abrasability and wallop. The spray shape is sector. The structure of the nozzle is compact and the spray is equal. The spray angle ranges from 5 ° to 110° covering large area. It is suitable for coating in chemical industry and air humidifying.



GPZ 系列高压涂层喷嘴性能参数表

Performance Parameter Table of GPZ Series High-pressure Coating Nozzle

产品型号 Model		材质 Material	MPa 压力下的流量 (L/min) Flow at MPa pressure(L/min)							喷射角 (°) Spray angle (degree)	
			5.0	10.0	12.0	15.0	18.0	20.0	25.0		
GPZB100-160-88		不 锈 钢	11.3	16.0	17.5	19.5	21.5	23	25	88	
GPZB100-182-88			12.9	18.2	19.9	22	24	26	29		
GPZB100-210-88			14.5	21	23	25	28	29	33		
GPZB100-230-88			16.1	23	25	28	31	32	36		
GPZB100-250-88			17.7	25	27	31	33.5	35	39.5		
GPZB100-270-88			19.3	27	29.6	33	36	39	43		
GPZB100-340-88			24	34	37	42	46	48	54		
GPZB100-2.5-48			碳 化 钨	0.18	0.25	0.27	0.31	0.34	0.35	0.40	48
GPZB100-3.9-52				0.27	0.39	0.43	0.47	0.52	0.55	0.62	52
GPZB100-5.7-55				0.40	0.57	0.62	0.70	0.76	0.81	0.90	55
GPZB100-7.5-58				0.53	0.75	0.82	0.92	1.01	1.1	1.2	58
GPZB100-8.9-62				0.63	0.89	0.97	1.1	1.2	1.3	1.4	62
GPZB100-11-65				0.81	1.1	1.2	1.4	1.5	1.6	1.7	65
GPZB100-15-71				Stainless Steel	1.1	1.5	1.6	1.9	2.0	2.2	2.4
GPZB100-18-71			1.3		1.8	2.0	2.2	2.4	2.6	2.8	
GPZB100-23-77		Tungsten Carbide	1.6		2.3	2.5	2.8	3.1	3.2	3.6	77
GPZB100-34-77			2.4		3.4	3.7	4.2	4.6	4.8	5.4	
GPZB100-46-77			3.2		4.6	5.0	5.6	6.2	6.4	7.3	
GPZB100-68-77			4.8		6.8	7.4	8.4	9.1	9.7	10.8	
GPZB100-91-77			6.4		9.1	10.0	11.2	12.2	12.9	14.4	
GPZB100-114-77			8.1	11.4	12.5	14.0	15.3	16.1	18.0		
GPZB100-137-77			9.7	13.7	15.0	16.7	18.4	19.3	21.7		
GPZB100-160-77			11.3	16	17.5	19.5	21.5	23	25		
GPZB100-182-77			12.9	18.2	19.9	22	24	26	29		
GPZB100-210-77			14.5	21	23	25	28	29	33		
GPZB100-230-77			16.1	23	25	28	31	32	36		
GPZB100-250-77			17.7	25	27	31	33.5	35	39.5		
GPZB100-270-77			19.3	27	29.6	33	36	39	43		
GPZB100-300-77			21	30	33	36	40	42	47		
GPZB100-320-77			23	32	35	39	43	45	51		
GPZB100-340-77		24	34	37	42	46	48	54			
GPZB100-5.2-52			0.37	0.52	0.57	0.64	0.70	0.74	0.82	52	
GPZB100-8.9-58			0.63	0.89	0.97	1.1	1.2	1.3	1.4	58	



GPZ 系列高压涂层喷嘴性能参数表
Performance Parameter Table of GPZ Series High-pressure Coating Nozzle

产品型号 Model		材质 Material	MPa 压力下的流量 (L/min) Flow at MPa pressure(L/min)							喷射角 (°) Spray angle (degree)
			5.0	10.0	12.0	15.0	18.0	20.0	25.0	
GPZB100-5.7-70		不锈钢 碳化钨 Stainless Steel Tungsten Carbide	0.40	0.57	0.62	0.70	0.76	0.81	0.90	70
GPZB100-7.5-71			0.53	0.75	0.82	0.92	1.01	1.1	1.2	71
GPZB100-8.9-75			0.63	0.89	0.97	1.1	1.2	1.3	1.4	75
GPZB100-11-77			0.81	1.1	1.2	1.4	1.5	1.6	1.7	77
GPZB100-15-83			1.1	1.5	1.6	1.9	2.0	2.2	2.4	83
GPZB100-18-86			1.3	1.8	2.0	2.2	2.4	2.6	2.8	86
GPZB100-23-88			1.6	2.3	2.5	2.8	3.1	3.2	3.6	88
GPZB100-34-93			2.4	3.4	3.7	4.2	4.6	4.8	5.4	93
GPZB100-46-95			3.2	4.6	5.0	5.6	6.2	6.4	7.3	95
GPZB100-68-97			4.8	6.8	7.4	8.4	9.1	9.7	10.8	97
GPZB100-91-100			6.4	9.1	10.0	11.2	12.2	12.9	14.4	100
GPZB100-114-100			8.1	11.4	12.5	14.0	15.3	16.1	18.0	
GPZB100-137-100			9.7	13.7	15.0	16.7	18.4	19.3	21.7	
GPZB100-160-100			11.3	16	17.5	19.5	21.5	23	25	
GPZB100-182-100			12.9	18.2	19.9	22	24	26	29	
GPZB100-210-100			14.5	21	23	25	28	29	33	
GPZB100-230-100			16.1	23	25	28	31	32	36	
GPZB100-270-100			19.3	27	29.6	33	36	39	43	
GPZB100-3.9-55			0.27	0.39	0.43	0.47	0.52	0.55	0.62	55
GPZB100-5.7-62			0.40	0.57	0.62	0.70	0.76	0.81	0.90	62
GPZB100-7.5-65			0.53	0.75	0.82	0.92	1.01	1.1	1.2	65
GPZB100-8.9-67			0.63	0.89	0.97	1.1	1.2	1.3	1.4	67
GPZB100-11-71			0.81	1.1	1.2	1.4	1.5	1.6	1.7	71
GPZB100-15-77			1.1	1.5	1.6	1.9	2.0	2.2	2.4	77
GPZB100-18-77			1.3	1.8	2.0	2.2	2.4	2.6	2.8	
GPZB100-23-83			1.6	2.3	2.5	2.8	3.1	3.2	3.6	83
GPZB100-34-83			2.4	3.4	3.7	4.2	4.6	4.8	5.4	
GPZB100-46-86			3.2	4.6	5.0	5.6	6.2	6.4	7.3	86
GPZB100-68-86			4.8	6.8	7.4	8.4	9.1	9.7	10.8	
GPZB100-91-88			6.4	9.1	10.0	11.2	12.2	12.9	14.4	88
GPZB100-114-88			8.1	11.4	12.5	14.0	15.3	16.1	18.0	
GPZB100-137-88			9.7	13.7	15.0	16.7	18.4	19.3	21.7	

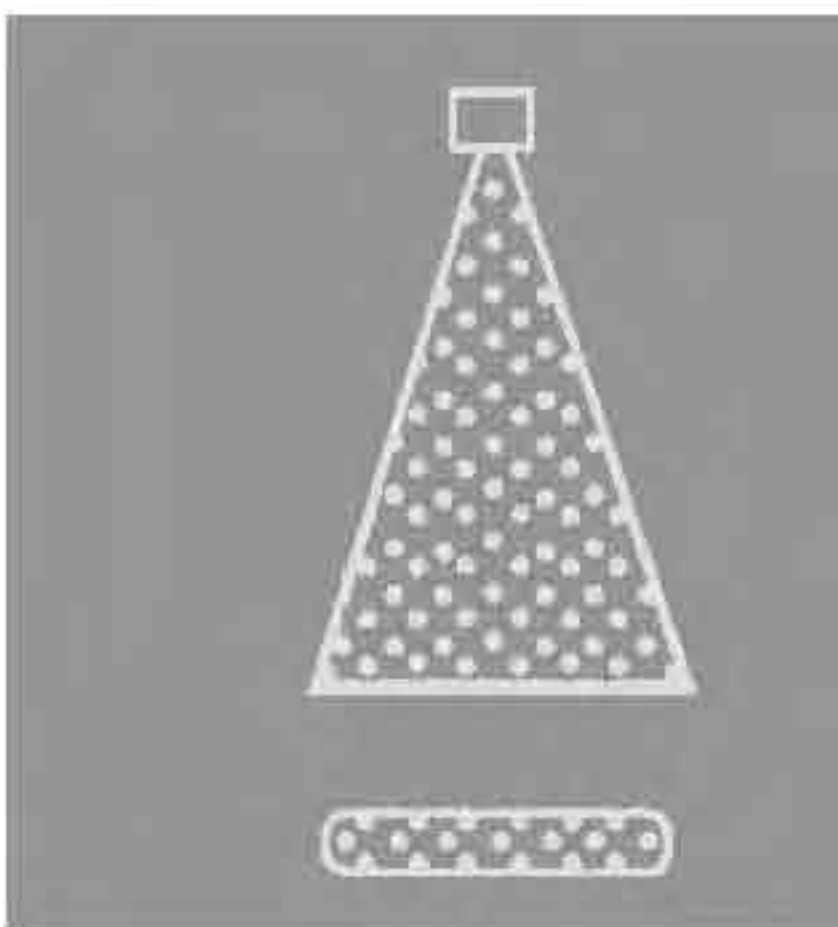
GPZ 系列高压涂层喷嘴性能参数表

Performance Parameter Table of GPZ Series High-pressure Coating Nozzle

产品型号 Model		材质 Material	MPa 压力下的流量 (L/min) Flow under MPa pressure(L/min)							喷射角 (°) Spray angle (degree)
			5.0	10.0	12.0	15.0	18.0	20.0	25.0	
GPZB100-1.8-39		不锈钢 碳化钨 Stainless Steel Tungsten Carbide	0.13	0.18	0.20	0.22	0.24	0.26	0.28	39
GPZB100-2.5-42			0.18	0.25	0.27	0.31	0.34	0.35	0.40	42
GPZB100-3.9-45			0.27	0.39	0.43	0.47	0.52	0.55	0.62	45
GPZB100-5.7-47			0.40	0.57	0.62	0.70	0.76	0.81	0.90	47
GPZB100-7.5-48			0.53	0.75	0.82	0.92	1.01	1.1	1.2	48
GPZB100-8.9-53			0.63	0.89	0.97	1.1	1.2	1.3	1.4	53
GPZB100-10-56			0.71	1.0	1.1	1.2	1.3	1.4	1.6	56
GPZB100-11-58			0.81	1.1	1.2	1.4	1.5	1.6	1.7	58
GPZB100-13-58			0.88	1.3	1.4	1.5	1.7	1.8	2.1	
GPZB100-15-65			1.1	1.5	1.6	1.9	2.0	2.2	2.4	65
GPZB100-18-65			1.3	1.8	2.0	2.2	2.4	2.6	2.8	
GPZB100-23-67			1.6	2.3	2.5	2.8	3.1	3.2	3.6	67
GPZB100-34-67			2.4	3.4	3.7	4.2	4.6	4.8	5.4	
GPZB100-46-67			3.2	4.6	5.0	5.6	6.2	6.4	7.3	
GPZB100-68-67			4.8	6.8	7.4	8.4	9.1	9.7	10.8	
GPZB100-91-67			6.4	9.1	10.0	11.2	12.2	12.9	14.4	
GPZB100-114-67			8.1	11.4	12.5	14.0	15.3	16.1	18.0	
GPZB100-137-67			9.7	13.7	15.0	16.7	18.4	19.3	21.7	
GPZB100-160-67			11.3	16	17.5	19.5	21.5	23	25	
GPZB100-182-67			12.9	18.2	19.9	22	24	26	29	
GPZB100-210-67			14.5	21	23	25	28	29	33	
GPZB100-230-67		Stainless Steel	16.1	23	25	28	31	32	36	67
GPZB100-250-67			17.7	25	27	31	33.5	35	39.5	
GPZB100-270-67			19.3	27	29.6	33	36	39	43	
GPZB100-300-67			21	30	33	36	40	42	47	
GPZB100-320-67			23	32	35	39	43	45	51	
GPZB100-340-67			24	34	37	42	46	48	54	
GPZB100-1.8-35		不锈钢 碳化钨 Stainless Steel Tungsten Carbide	0.13	0.18	0.20	0.22	0.24	0.26	0.28	35
GPZB100-2.5-37			0.18	0.25	0.27	0.31	0.34	0.35	0.40	37
GPZB100-3.9-39			0.27	0.39	0.43	0.47	0.52	0.55	0.62	39
GPZB100-5.7-40			0.40	0.57	0.62	0.70	0.76	0.81	0.90	40
GPZB100-7.5-45			0.53	0.75	0.82	0.92	1.01	1.1	1.2	45
GPZB100-8.9-47			0.63	0.89	0.97	1.1	1.2	1.3	1.4	47
GPZB100-10-47			0.71	1.0	1.1	1.2	1.3	1.4	1.6	
GPZB100-11-50			0.81	1.1	1.2	1.4	1.5	1.6	1.7	50
GPZB100-13-50			0.88	1.3	1.4	1.5	1.7	1.8	2.1	
GPZB100-15-53			1.1	1.5	1.6	1.9	2.0	2.2	2.4	53
GPZB100-18-58			1.3	1.8	2.0	2.2	2.4	2.6	2.8	58
GPZB100-23-61			1.6	2.3	2.5	2.8	3.1	3.2	3.6	61
GPZB100-34-61			2.4	3.4	3.7	4.2	4.6	4.8	5.4	
GPZB100-46-61			3.2	4.6	5.0	5.6	6.2	6.4	7.3	
GPZB100-68-61			4.8	6.8	7.4	8.4	9.1	9.7	10.8	
GPZB100-91-61			6.4	9.1	10.0	11.2	12.2	12.9	14.4	
GPZB100-114-61			8.1	11.4	12.5	14.0	15.3	16.1	18.0	
GPZB100-137-61			9.7	13.7	15.0	16.7	18.4	19.3	21.7	
GPZB100-160-61			11.3	16	17.5	19.5	21.5	23	25	
GPZB100-182-61			12.9	18.2	19.9	22	24	26	29	
GPZB100-230-61			16.1	23	25	28	31	32	36	
GPZB100-340-61			24	34	37	42	46	48	54	

GPZ series high-pressure nozzle

GPZ 系列高压喷嘴

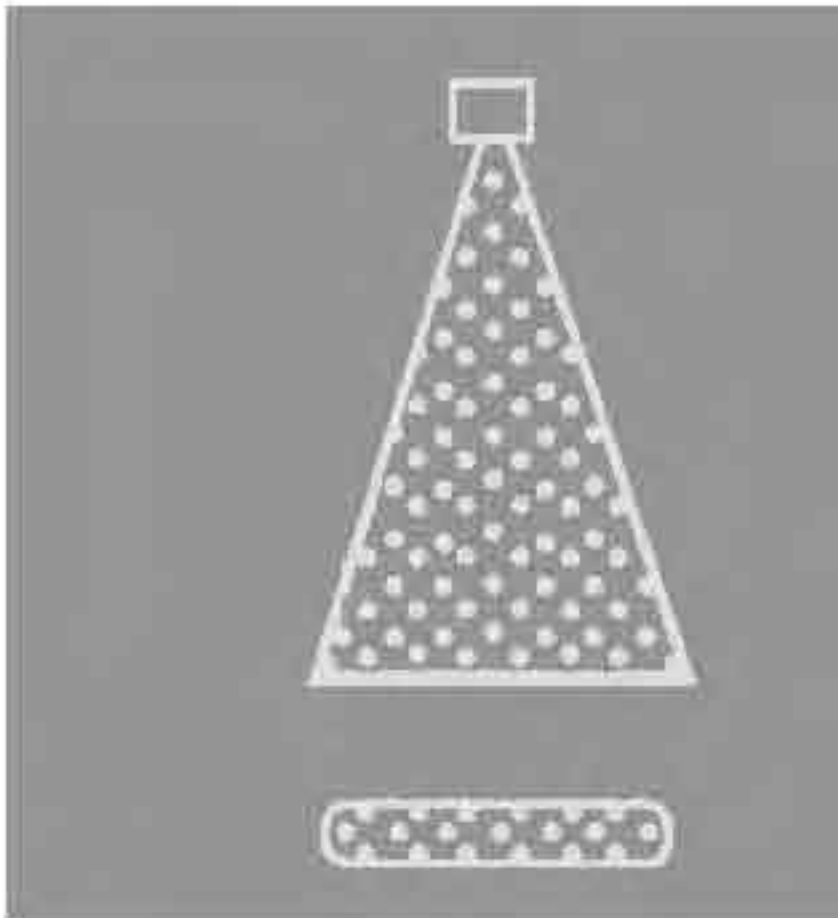


GPZ 系列高压涂层喷嘴性能参数表
Performance Parameter Table of GPZ Series High-pressure Coating Nozzle

产品型号 Model		材质 Material	MPa 压力下的流量 (L/min) Flow under MPa pressure(L/min)							喷射角 (°) Spray angle (degree)
			5.0	10.0	12.0	15.0	18.0	20.0	25.0	
GPZB100-0.9-30		不锈钢	0.06	0.09	0.10	0.11	0.12	0.13	0.14	30
GPZB100-1.4-30			0.10	0.14	0.15	0.17	0.19	0.20	0.22	
GPZB100-1.8-30			0.13	0.18	0.20	0.22	0.24	0.26	0.28	
GPZB100-2.5-32			0.18	0.25	0.27	0.31	0.34	0.35	0.40	32
GPZB100-3.9-35			0.27	0.39	0.43	0.47	0.52	0.55	0.62	35
GPZB100-5.7-37			0.40	0.57	0.62	0.70	0.76	0.81	0.90	37
GPZB100-7.5-39			0.53	0.75	0.82	0.92	1.01	1.1	1.2	39
GPZB100-8.9-40			0.63	0.89	0.97	1.1	1.2	1.3	1.4	40
GPZB100-10-44			0.71	1.0	1.1	1.2	1.3	1.4	1.6	44
GPZB100-11-45		碳化钨	0.81	1.1	1.2	1.4	1.5	1.6	1.7	45
GPZB100-13-45			0.88	1.3	1.4	1.5	1.7	1.8	2.1	
GPZB100-15-48		Stainless Steel Tungsten Carbide	1.1	1.5	1.6	1.9	2.0	2.2	2.4	48
GPZB100-18-48			1.3	1.8	2.0	2.2	2.4	2.6	2.8	
GPZB100-23-53			1.6	2.3	2.5	2.8	3.1	3.2	3.6	53
GPZB100-30-53			2.1	3.0	3.3	3.6	4.0	4.2	4.7	
GPZB100-34-53			2.4	3.4	3.7	4.2	4.6	4.8	5.4	
GPZB100-46-53			3.2	4.6	5.0	5.6	6.2	6.4	7.3	
GPZB100-68-53			4.8	6.8	7.4	8.4	9.1	9.7	10.8	
GPZB100-91-53			6.4	9.1	10.0	11.2	12.2	12.9	14.4	
GPZB100-114-53			8.1	11.4	12.5	14.0	15.3	16.1	18.0	
GPZB100-137-53			9.7	13.7	15.0	16.7	18.4	19.3	21.7	
GPZB100-160-53			11.3	16	17.5	19.5	21.5	23	25	
GPZB100-182-53			12.9	18.2	19.9	22	24	26	29	
GPZB100-210-53			14.5	21	23	25	28	29	33	
GPZB100-340-53			24	34	37	42	46	48	54	

GPZ 系列高压涂层喷嘴性能参数表
Performance Parameter Table of GPZ Series High-pressure Coating Nozzle

产品型号 Model		材质 Material	MPa 压力下的流量 (L/min) Flow under MPa pressure(L/min)							喷射角 (°) Spray angle (degree)
			5.0	10.0	12.0	15.0	18.0	20.0	25.0	
GPZB100-0.9-23		不锈钢	0.06	0.09	0.10	0.11	0.12	0.13	0.14	23
GPZB100-1.4-23			0.10	0.14	0.15	0.17	0.19	0.20	0.22	
GPZB100-1.8-24			0.13	0.18	0.20	0.22	0.24	0.26	0.28	24
GPZB100-2.5-24			0.18	0.25	0.27	0.31	0.34	0.35	0.40	
GPZB100-3.9-28			0.27	0.39	0.43	0.47	0.52	0.55	0.62	28
GPZB100-5.7-28			0.40	0.57	0.62	0.70	0.76	0.81	0.90	
GPZB100-7.5-32			0.53	0.75	0.82	0.92	1.01	1.1	1.2	32
GPZB100-8.9-32			0.63	0.89	0.97	1.1	1.2	1.3	1.4	
GPZB100-11-32			0.81	1.1	1.2	1.4	1.5	1.6	1.7	
GPZB100-13-32			0.88	1.3	1.4	1.5	1.7	1.8	2.1	
GPZB100-15-37			1.1	1.5	1.6	1.9	2.0	2.2	2.4	37
GPZB100-18-39			1.3	1.8	2.0	2.2	2.4	2.6	2.8	39
GPZB100-23-40			1.6	2.3	2.5	2.8	3.1	3.2	3.6	40
GPZB100-34-40			2.4	3.4	3.7	4.2	4.6	4.8	5.4	
GPZB100-46-40			3.2	4.6	5.0	5.6	6.2	6.4	7.3	
GPZB100-68-40			4.8	6.8	7.4	8.4	9.1	9.7	10.8	
GPZB100-91-40			6.4	9.1	10.0	11.2	12.2	12.9	14.4	
GPZB100-137-40			9.7	13.7	15.0	16.7	18.4	19.3	21.7	
GPZB100-182-40			12.9	18.2	19.9	22	24	26	29	
GPZB100-0.9-19		碳化钨	0.06	0.09	0.10	0.11	0.12	0.13	0.14	19
GPZB100-1.4-19			0.10	0.14	0.15	0.17	0.19	0.20	0.22	
GPZB100-1.8-21			0.13	0.18	0.20	0.22	0.24	0.26	0.28	21
GPZB100-2.5-21			0.18	0.25	0.27	0.31	0.34	0.35	0.40	
GPZB100-3.9-23			0.27	0.39	0.43	0.47	0.52	0.55	0.62	23
GPZB100-5.7-23			0.40	0.57	0.62	0.70	0.76	0.81	0.90	
GPZB100-7.5-24			0.53	0.75	0.82	0.92	1.01	1.1	1.2	24
GPZB100-8.9-28			0.63	0.89	0.97	1.1	1.2	1.3	1.4	28
GPZB100-10-28			0.71	1.0	1.1	1.2	1.3	1.4	1.6	
GPZB100-11-28			0.81	1.1	1.2	1.4	1.5	1.6	1.7	
GPZB100-15-30			1.1	1.5	1.6	1.9	2.0	2.2	2.4	30
GPZB100-18-32			1.3	1.8	2.0	2.2	2.4	2.6	2.8	32
GPZB100-23-32			1.6	2.3	2.5	2.8	3.1	3.2	3.6	
GPZB100-34-32			2.4	3.4	3.7	4.2	4.6	4.8	5.4	
GPZB100-46-32			3.2	4.6	5.0	5.6	6.2	6.4	7.3	
GPZB100-68-32			4.8	6.8	7.4	8.4	9.1	9.7	10.8	
GPZB100-91-32			6.4	9.1	10.0	11.2	12.2	12.9	14.4	
GPZB100-114-32			8.1	11.4	12.5	14.0	15.3	16.1	18.0	
GPZB100-137-32			9.7	13.7	15.0	16.7	18.4	19.3	21.7	
GPZB100-182-32			12.9	18.2	19.9	22	24	26	29	



GPZ 系列高压涂层喷嘴性能参数表
Performance Parameter Table of GPZ Series High-pressure Coating Nozzle

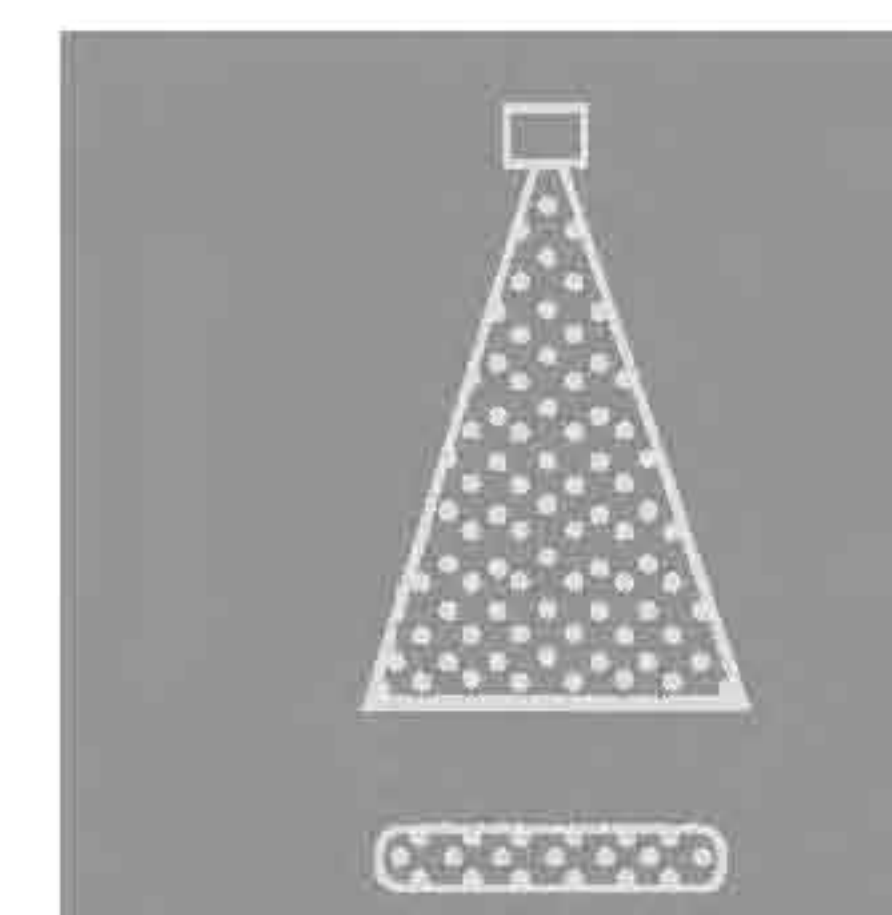
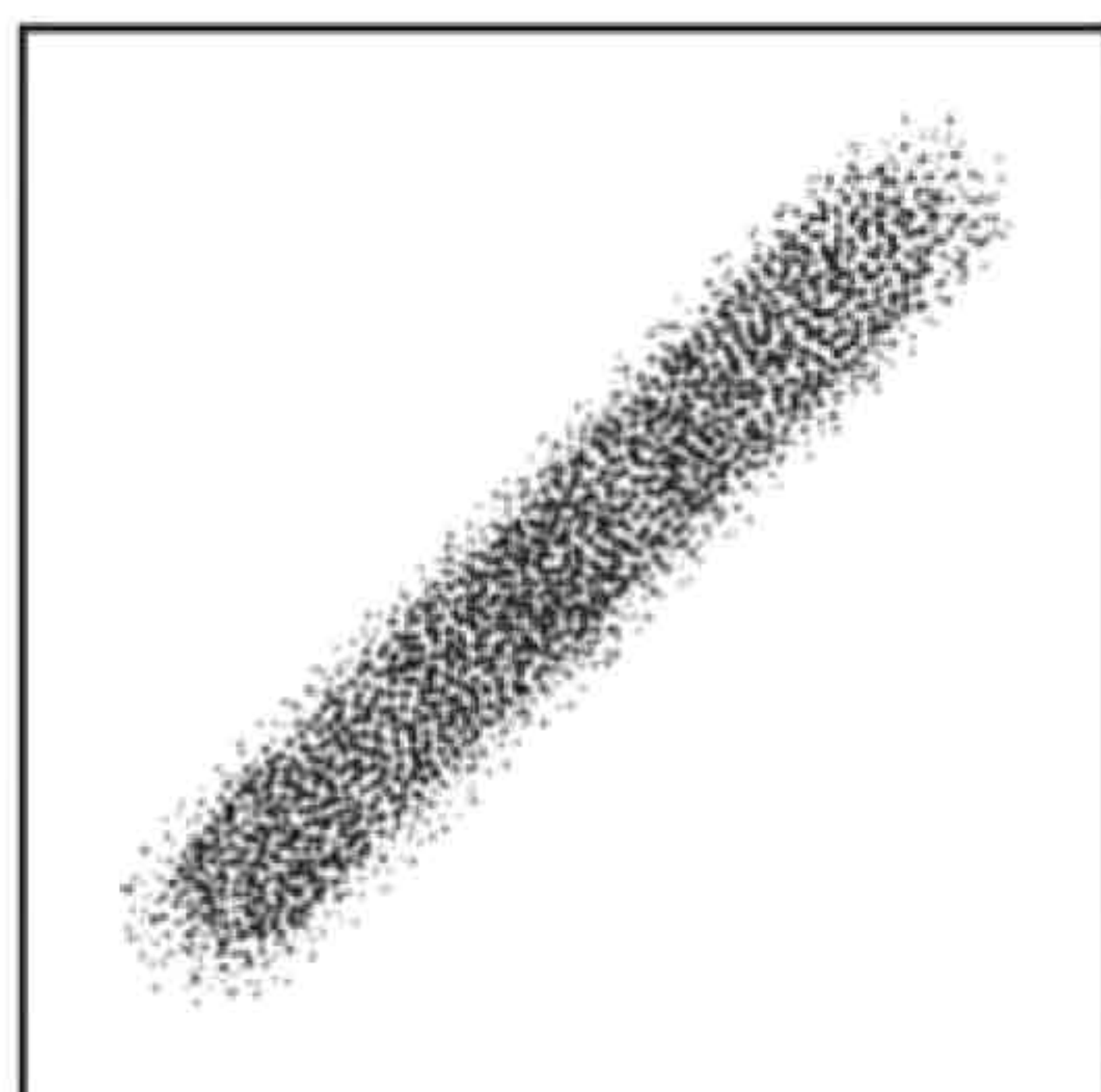
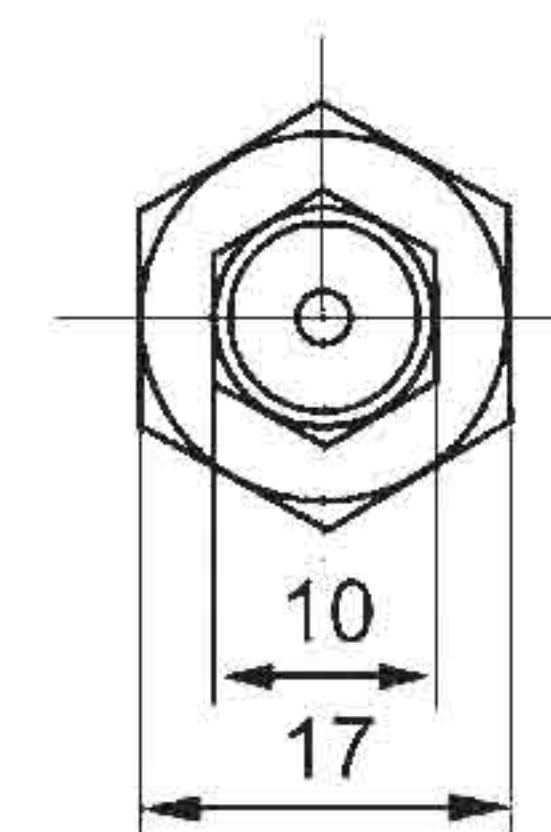
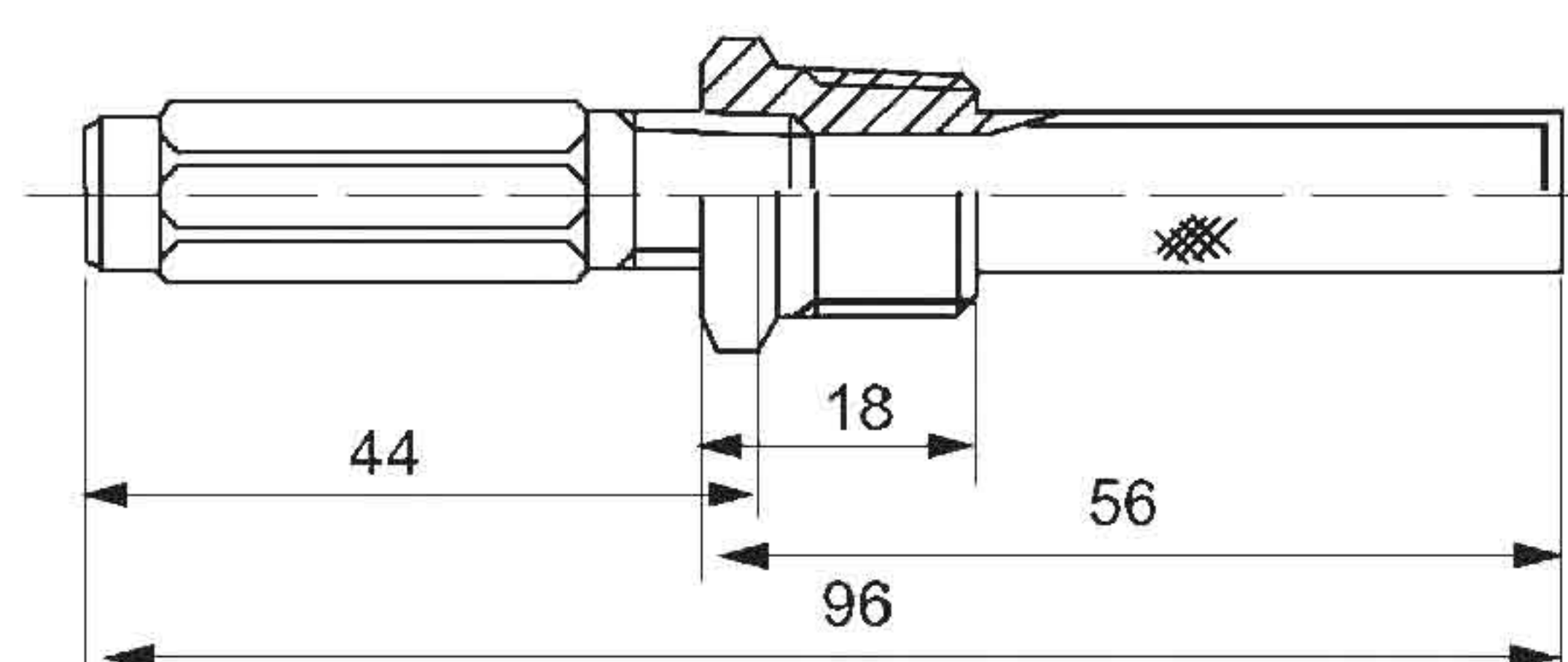
产品型号 Model		材质 Material	MPa 压力下的流量 (L/min) Flow under MPa pressure(L/min)							喷射角 (°) Spray angle (degree)
			5.0	10.0	12.0	15.0	18.0	20.0	25.0	
GPZB100-0.9-13		不锈钢 碳化钨 Stainless Steel Tungsten Carbide	0.06	0.09	0.10	0.11	0.12	0.13	0.14	13
GPZB100-1.8-17			0.13	0.18	0.20	0.22	0.24	0.26	0.28	17
GPZB100-2.5-17			0.18	0.25	0.27	0.31	0.34	0.35	0.40	
GPZB100-3.9-19			0.27	0.39	0.43	0.47	0.52	0.55	0.62	19
GPZB100-5.7-19			0.40	0.57	0.62	0.70	0.76	0.81	0.90	
GPZB100-7.5-21			0.53	0.75	0.82	0.92	1.01	1.1	1.2	21
GPZB100-8.9-23			0.63	0.89	0.97	1.1	1.2	1.3	1.4	23
GPZB100-11-23			0.81	1.1	1.2	1.4	1.5	1.6	1.7	
GPZB100-15-24			1.1	1.5	1.6	1.9	2.0	2.2	2.4	24
GPZB100-18-24			1.3	1.8	2.0	2.2	2.4	2.6	2.8	
GPZB100-23-28			1.6	2.3	2.5	2.8	3.1	3.2	3.6	28
GPZB100-34-28			2.4	3.4	3.7	4.2	4.6	4.8	5.4	
GPZB100-46-28			3.2	4.6	5.0	5.6	6.2	6.4	7.3	
GPZB100-0.9-11		不锈钢 碳化钨 Stainless Steel Tungsten Carbide	0.06	0.09	0.10	0.11	0.12	0.13	0.14	11
GPZB100-1.8-11			0.13	0.18	0.20	0.22	0.24	0.26	0.28	
GPZB100-2.5-11			0.18	0.25	0.27	0.31	0.34	0.35	0.40	
GPZB100-3.9-13			0.27	0.39	0.43	0.47	0.52	0.55	0.62	13
GPZB100-5.7-13			0.40	0.57	0.62	0.70	0.76	0.81	0.90	
GPZB100-7.5-15			0.53	0.75	0.82	0.92	1.01	1.1	1.2	15
GPZB100-8.9-19			0.63	0.89	0.97	1.1	1.2	1.3	1.4	19
GPZB100-11-19			0.81	1.1	1.2	1.4	1.5	1.6	1.7	
GPZB100-15-19			1.1	1.5	1.6	1.9	2.0	2.2	2.4	
GPZB100-23-19			1.6	2.3	2.5	2.8	3.1	3.2	3.6	
GPZB100-34-19			2.4	3.4	3.7	4.2	4.6	4.8	5.4	
GPZB100-46-19			3.2	4.6	5.0	5.6	6.2	6.4	7.3	

GPZB200 型开发和应用：

高压洗涤喷嘴是我公司新开发的小流量高冲击力喷雾形状为线形或扇形的喷嘴。此类喷嘴喷出的液场分布均匀。其喷口由硬化不锈钢或碳化钨制成，具有较长的耐磨损寿命。喷嘴的喷孔是经精细工艺制成，可精确控制流率。且喷嘴具有内部导向叶片，可稳定液体涡流，以产生最大的喷射整体性和冲击力，它可应用于各种场合的洗涤、漂淋、切割等。

The Development and Appliance of Model GPZB200:

High-pressure cleaning nozzle newly developed by our company is a kind of small flux and high wallop nozzle that can spray in the shapes of lines or sector. The liquid fields sprayed by this kind of nozzle are equally distributed. The sprouts are made of hardened stainless steel or tungsten carbide with longer longevity of wearing. The orifices of the nozzle are made with fine technique, which can control the flow rate. There are inside guide blades in the nozzle, which can stabilize liquid vortex to produce the strongest spray globality and wallop. It can be used in various fields of cleaning, rinse, cutting and so on.



GPZ 系列高压洗涤喷嘴性能参数表
Performance Parameter Table of GPZ Series High-pressure Cleaning Nozzle

产品型号 Model		材质 Material	MPa 压力下的流量 (L/min) Flow under MPa pressure(L/min)							喷射角 (°) Spray angle (degree)
			2.0	3.0	5.0	7.0	10.0	15.0	20.0	
GPZB200-46-15		硬化 不锈钢 Hardened stainless steel	2.0	2.5	3.2	3.8	4.6	5.6	6.4	15
GPZB200-68-15			3.1	3.7	4.8	5.7	6.8	8.4	9.7	
GPZB200-91-15			4.1	5.0	6.4	7.6	9.1	11.2	12.9	
GPZB200-103-15			4.6	5.6	7.3	8.6	10.3	12.6	14.5	
GPZB200-114-15			5.1	6.2	8.1	9.5	11.4	14.0	16.1	
GPZB200-125-15			5.6	6.9	8.9	10.5	12.5	15.4	17.7	
GPZB200-137-15			6.1	7.5	9.7	11.4	13.7	16.7	19.3	
GPZB200-148-15			6.6	8.1	10.5	12.4	14.8	18.1	21	
GPZB200-160-15			7.1	8.7	11.3	13.3	16.0	19.5	23	
GPZB200-171-15			7.6	9.4	12.1	14.3	17.1	21	24	
GPZB200-182-15			8.2	10.0	12.9	15.3	18.2	22	26	
GPZB200-194-15			8.7	10.6	13.7	16.2	19.4	24	27	
GPZB200-210-15			9.2	11.2	14.5	17.2	21	25	29	
GPZB200-230-15			10.2	12.5	16.1	19.1	23	28	32	
GPZB200-340-15			15.3	18.7	24	29	34	42	48	
GPZB200-46-25		硬化 不锈钢 Hardened stainless steel	2.0	2.5	3.2	3.8	4.6	5.6	6.4	25
GPZB200-68-25			3.1	3.7	4.8	5.7	6.8	8.4	9.7	
GPZB200-91-25			4.1	5.0	6.4	7.6	9.1	11.2	12.9	
GPZB200-103-25			4.6	5.6	7.3	8.6	10.3	12.6	14.5	
GPZB200-114-25			5.1	6.2	8.1	9.5	11.4	14.0	16.1	
GPZB200-125-25			5.6	6.9	8.9	10.5	12.5	15.4	17.7	
GPZB200-137-25			6.1	7.5	9.7	11.4	13.7	16.7	19.3	
GPZB200-148-25			6.6	8.1	10.5	12.4	14.8	18.1	21	
GPZB200-160-25			7.1	8.7	11.3	13.3	16.0	19.5	23	
GPZB200-171-25			7.6	9.4	12.1	14.3	17.1	21	24	
GPZB200-182-25			8.2	10.0	12.9	15.3	18.2	22	26	
GPZB200-194-25			8.7	10.6	13.7	16.2	19.4	24	27	
GPZB200-210-25			9.2	11.2	14.5	17.2	21	25	29	
GPZB200-220-25			9.7	11.9	15.3	18.1	22	27	31	
GPZB200-230-25			10.2	12.5	16.1	19.1	23	28	32	
GPZB200-250-25			11.2	13.7	17.7	21	25	31	35	
GPZB200-260-25			11.7	14.4	18.5	22	26	32	37	
GPZB200-340-25			15.3	18.7	24	29	34	42	48	

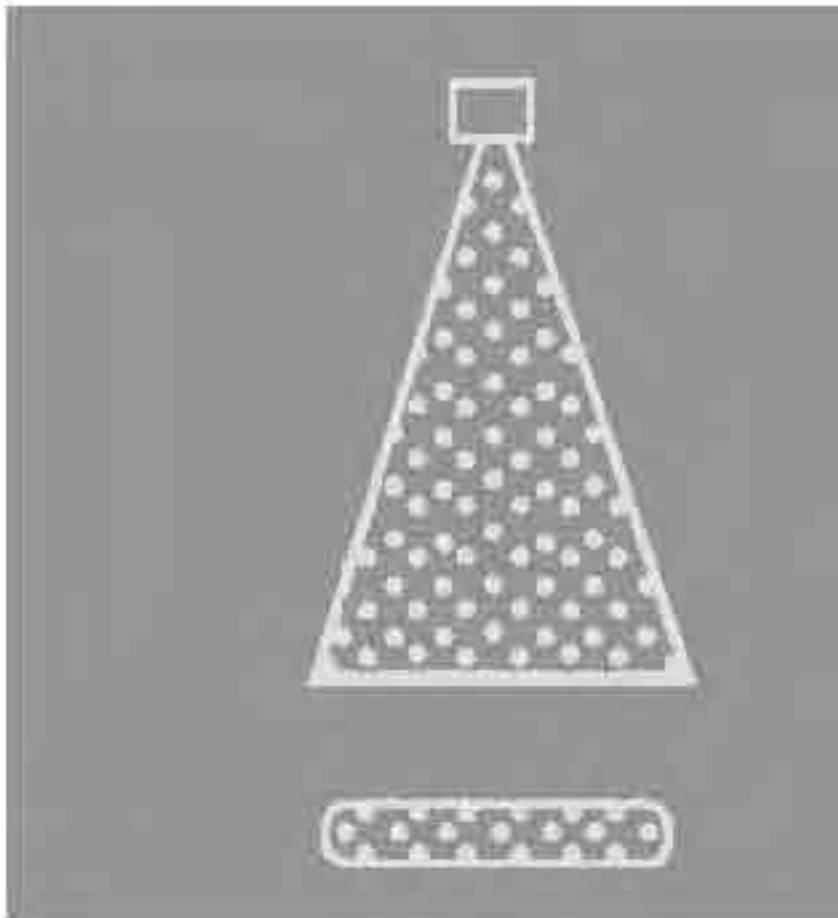
GPZ 系列高压洗涤喷嘴性能参数表

Performance Parameter Table of GPZ Series High-pressure Cleaning Nozzle

产品型号 Model	材质 Material	MPa 压力下的流量 (L/min) Flow under MPa pressure(L/min)							喷射角 (°) Spray angle (degree)
		2.0	3.0	5.0	7.0	10.0	15.0	20.0	
GPZB200-68-40	硬化 不锈钢 Hardened stainless steel	3.1	3.7	4.8	5.7	6.8	8.4	9.7	40
GPZB200-91-40		4.1	5.0	6.4	7.6	9.1	11.2	12.9	
GPZB200-103-40		4.6	5.6	7.3	8.6	10.3	12.6	14.5	
GPZB200-114-40		5.1	6.2	8.1	9.5	11.4	14.0	16.1	
GPZB200-125-40		5.6	6.9	8.9	10.5	12.5	15.4	17.7	
GPZB200-137-40		6.1	7.5	9.7	11.4	13.7	16.7	19.3	
GPZB200-148-40		6.6	8.1	10.5	12.4	14.8	18.1	21	
GPZB200-160-40		7.1	8.7	11.3	13.3	16.0	19.5	23	
GPZB200-171-40		7.6	9.4	12.1	14.3	17.1	21	24	
GPZB200-182-40		8.2	10.0	12.9	15.3	18.2	22	26	
GPZB200-194-40		8.7	10.6	13.7	16.2	19.4	24	27	
GPZB200-210-40		9.2	11.2	14.5	17.2	21	25	29	
GPZB200-220-40		9.7	11.9	15.3	18.1	22	27	31	
GPZB200-230-40		10.2	12.5	16.1	19.1	23	28	32	
GPZB200-270-40		12.2	15.0	19.3	23	27	33	39	
GPZB200-340-40		15.3	18.7	24	29	34	42	48	
GPZB200-68-50	硬化 不锈钢 Hardened stainless steel	3.1	3.7	4.8	5.7	6.8	8.4	9.7	50
GPZB200-91-50		4.1	5.0	6.4	7.6	9.1	11.2	12.9	
GPZB200-114-50		5.1	6.2	8.1	9.5	11.4	14.0	16.1	
GPZB200-125-50		5.6	6.9	8.9	10.5	12.5	15.4	17.7	
GPZB200-137-50		6.1	7.5	9.7	11.4	13.7	16.7	19.3	
GPZB200-160-50		7.1	8.7	11.3	13.3	16.0	19.5	23	
GPZB200-182-50		8.2	10.0	12.9	15.3	18.2	22	26	
GPZB200-210-50		9.2	11.2	14.5	17.2	21	25	29	
GPZB200-230-50		10.2	12.5	16.1	19.1	23	28	32	
GPZB200-91-65		4.1	5.0	6.4	7.6	9.1	11.2	12.9	65
GPZB200-103-65		4.6	5.6	7.3	8.6	10.3	12.6	14.5	
GPZB200-114-65		5.1	6.2	8.1	9.5	11.4	14.0	16.1	
GPZB200-125-65		5.6	6.9	8.9	10.5	12.5	15.4	17.7	
GPZB200-137-65		6.1	7.5	9.7	11.4	13.7	16.7	19.3	
GPZB200-160-65		7.1	8.7	11.3	13.3	16.0	19.5	23	
GPZB200-182-65		8.2	10.0	12.9	15.3	18.2	22	26	
GPZB200-210-65		9.2	11.2	14.5	17.2	21	25	29	
GPZB200-230-65		10.2	12.5	16.1	19.1	23	28	32	

GPZ series high-pressure nozzle

GPZ 系列高压喷嘴

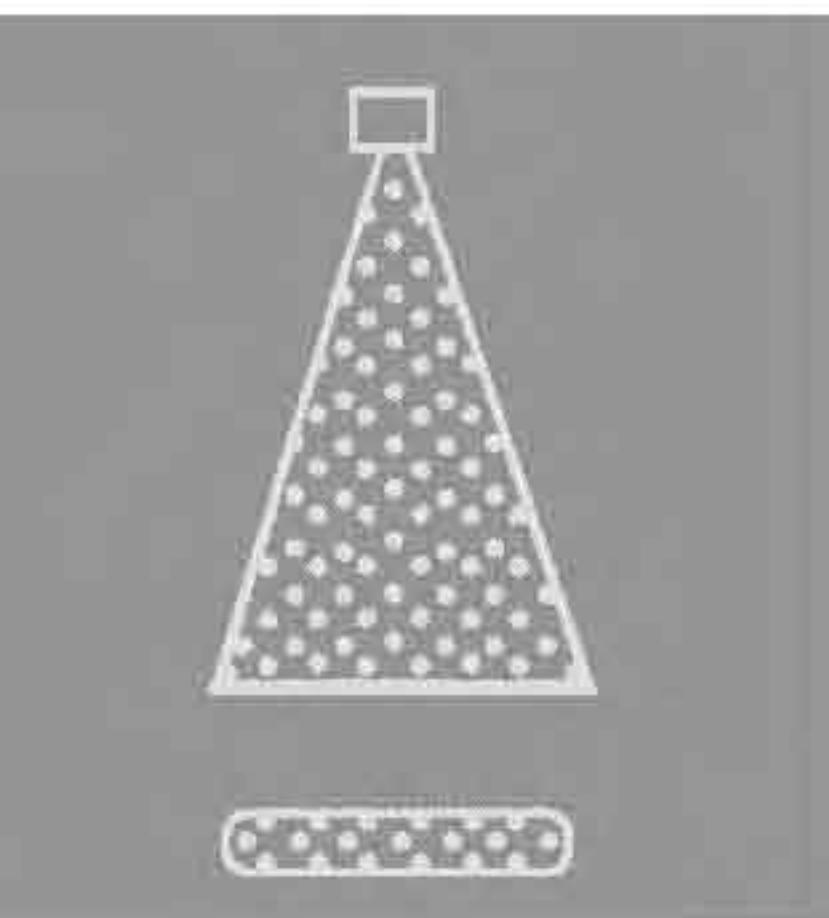


High-pressure Cleaning nozzle

高压洗涤喷嘴

GPZ series high-pressure nozzle

GPZ 系列高压喷嘴



GPZ 系列高压洗涤喷嘴性能参数表

Performance Parameter Table of GPZ Series High-pressure Cleaning Nozzle

产品型号 Model		材质 Material	MPa 压力下的流量 (L/min) Flow under MPa pressure(L/min)							喷射角 (°) Spray angle (degree)
			2.0	3.0	5.0	7.0	10.0	15.0	20.0	
GPZB201-46-15		硬化 不锈钢 Hardened stainless steel	2.0	2.5	3.2	3.8	4.6	5.6	6.4	15
GPZB201-68-15			3.1	3.7	4.8	5.7	6.8	8.4	9.7	
GPZB201-91-15			4.1	5.0	6.4	7.6	9.1	11.2	12.9	
GPZB201-103-15			4.6	5.6	7.3	8.6	10.3	12.6	14.5	
GPZB201-114-15			5.1	6.2	8.1	9.5	11.4	14.0	16.1	
GPZB201-125-15			5.6	6.9	8.9	10.5	12.5	15.4	17.7	
GPZB201-137-15			6.1	7.5	9.7	11.4	13.7	16.7	19.3	
GPZB201-148-15			6.6	8.1	10.5	12.4	14.8	18.1	21	
GPZB201-160-15			7.1	8.7	11.3	13.3	16.0	19.5	23	
GPZB201-171-15			7.6	9.4	12.1	14.3	17.1	21	24	
GPZB201-182-15			8.2	10.0	12.9	15.3	18.2	22	26	
GPZB201-194-15			8.7	10.6	13.7	16.2	19.4	24	27	
GPZB201-210-15			9.2	11.2	14.5	17.2	21	25	29	
GPZB201-230-15			10.2	12.5	16.1	19.1	23	28	32	
GPZB201-250-15			11.2	13.7	17.7	21	25	31	35	
GPZB201-270-15			12.2	15.0	19.3	23	27	33	39	
GPZB201-300-15			13.3	16.2	21	25	30	36	42	
GPZB201-340-15			15.3	18.7	24	29	34	42	48	
GPZB201-360-15			16.3	20	26	31	36	45	52	
GPZB201-410-15			18.3	22	29	34	41	50	58	
GPZB201-460-15			20	25	32	38	46	56	64	
GPZB201-570-15			25	31	40	48	57	70	81	
GPZB201-680-15			31	37	48	57	68	84	97	
GPZB201-800-15			36	44	56	67	80	98	113	
GPZB201-910-15			41	50	64	76	91	112	129	
GPZB201-1140-15			51	62	81	95	114	140	161	
GPZB201-1370-15			61	75	97	114	137	167	193	
GPZB201-1600-15			71	87	113	133	160	195	225	
GPZB201-1820-15			82	100	129	153	182	225	260	
GPZB201-2050-15			92	112	145	172	205	250	290	

High-pressure Cleaning nozzle

高压洗涤喷嘴

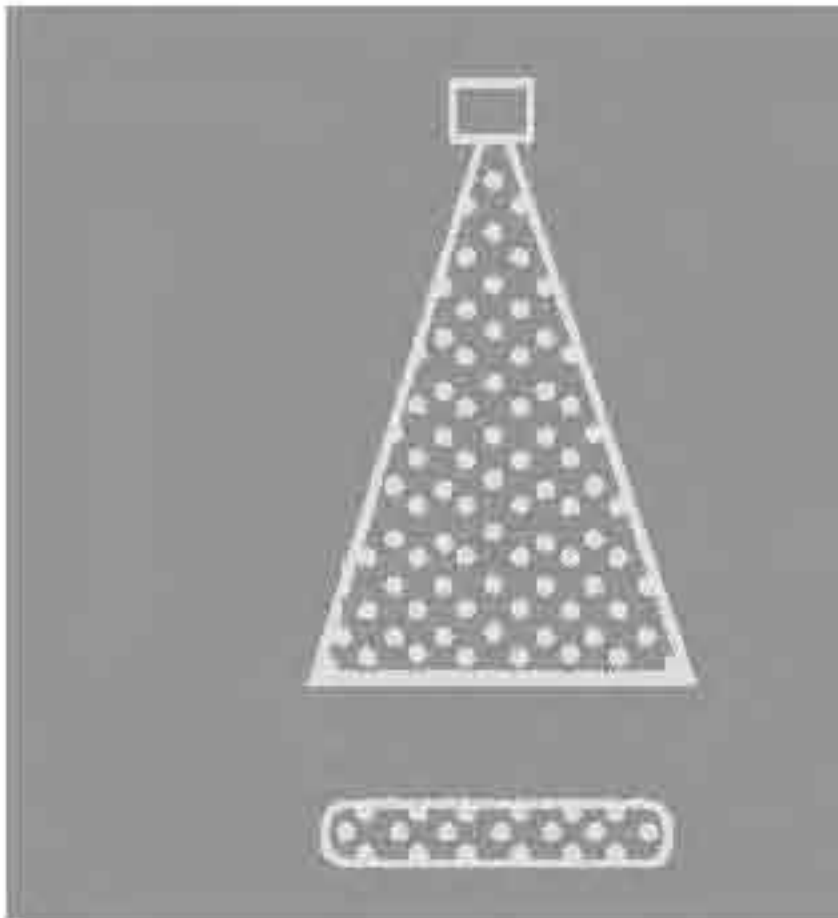
GPZ 系列高压洗涤喷嘴性能参数表

Performance Parameter Table of GPZ Series High-pressure Cleaning Nozzle

产品型号 Model		材质 Material	MPa 压力下的流量 (L/min) Flow under MPa pressure(L/min)							喷射角 (°) Spray angle (degree)
			2.0	3.0	5.0	7.0	10.0	15.0	20.0	
GPZB201-46-25		硬化 不锈钢 Hardened stainless steel	2.0	2.5	3.2	3.8	4.6	5.6	6.4	25
GPZB201-68-25			3.1	3.7	4.8	5.7	6.8	8.4	9.7	
GPZB201-91-25			4.1	5.0	6.4	7.6	9.1	11.2	12.9	
GPZB201-103-25			4.6	5.6	7.3	8.6	10.3	12.6	14.5	
GPZB201-114-25			5.1	6.2	8.1	9.5	11.4	14.0	16.1	
GPZB201-125-25			5.6	6.9	8.9	10.5	12.5	15.4	17.7	
GPZB201-137-25			6.1	7.5	9.7	11.4	13.7	16.7	19.3	
GPZB201-148-25			6.6	8.1	10.5	12.4	14.8	18.1	21	
GPZB201-160-25			7.1	8.7	11.3	13.3	16.0	19.5	23	
GPZB201-182-25			8.2	10.0	12.9	15.3	18.2	22	26	
GPZB201-194-25			8.7	10.6	13.7	16.2	19.4	24	27	
GPZB201-210-25			9.2	11.2	14.5	17.2	21	25	29	
GPZB201-230-25			10.2	12.5	16.1	19.1	23	28	32	
GPZB201-250-25			11.2	13.7	17.7	21	25	31	35	
GPZB201-270-25			12.2	15.0	19.3	23	27	33	39	
GPZB201-280-25			12.7	15.6	20	24	28	35	40	
GPZB201-300-25			13.3	16.2	21	25	30	36	42	
GPZB201-340-25			15.3	18.7	24	29	34	42	48	
GPZB201-460-25			20	25	32	38	46	56	64	
GPZB201-570-25			25	31	40	48	57	70	81	
GPZB201-680-25			31	37	48	57	68	84	97	
GPZB201-800-25			36	44	56	67	80	98	113	
GPZB201-910-25			41	50	64	76	91	112	129	
GPZB201-1140-25			51	62	81	95	114	140	161	
GPZB201-1370-25			61	75	97	114	137	167	193	

GPZ series high-pressure nozzle

GPZ 系列高压喷嘴



High-pressure Cleaning nozzle

高压洗涤喷嘴

GPZ 系列高压洗涤喷嘴性能参数表

Performance Parameter Table of GPZ Series High-pressure Cleaning Nozzle

产品型号 Model		材质 Material	MPa 压力下的流量 (L/min) Flow under MPa pressure(L/min)							喷射角 (°) Spray angle (degree)
			2.0	3.0	5.0	7.0	10.0	15.0	20.0	
GPZB201-68-40		硬化 不锈钢 Hardened stainless steel	3.1	3.7	4.8	5.7	6.8	8.4	9.7	40
GPZB201-91-40			4.1	5.0	6.4	7.6	9.1	11.2	12.9	
GPZB201-103-40			4.6	5.6	7.3	8.6	10.3	12.6	14.5	
GPZB201-114-40			5.1	6.2	8.1	9.5	11.4	14.0	16.1	
GPZB201-125-40			5.6	6.9	8.9	10.5	12.5	15.4	17.7	
GPZB201-137-40			6.1	7.5	9.7	11.4	13.7	16.7	19.3	
GPZB201-148-40			6.6	8.1	10.5	12.4	14.8	18.1	21	
GPZB201-160-40			7.1	8.7	11.3	13.3	16.0	19.5	23	
GPZB201-171-40			7.6	9.4	12.1	14.3	17.1	21	24	
GPZB201-182-40			8.2	10.0	12.9	15.3	18.2	22	26	
GPZB201-194-40			8.7	10.6	13.7	16.2	19.4	24	27	
GPZB201-210-40			9.2	11.2	14.5	17.2	21	25	29	
GPZB201-230-40			10.2	12.5	16.1	19.1	23	28	32	
GPZB201-250-40			11.2	13.7	17.7	21	25	31	35	
GPZB201-270-40			12.2	15.0	19.3	23	27	33	39	
GPZB201-280-40			12.7	15.6	20	24	28	35	40	
GPZB201-300-40			13.3	16.2	21	25	30	36	42	
GPZB201-340-40			15.3	18.7	24	29	34	42	48	
GPZB201-460-40			20	25	32	38	46	56	64	
GPZB201-570-40			25	31	40	48	57	70	81	
GPZB201-680-40			31	37	48	57	68	84	97	
GPZB201-800-40			36	44	56	67	80	98	113	
GPZB201-910-40			41	50	64	76	91	112	129	
GPZB201-1140-40			51	62	81	95	114	140	161	
GPZB201-1370-40			61	75	97	114	137	167	193	

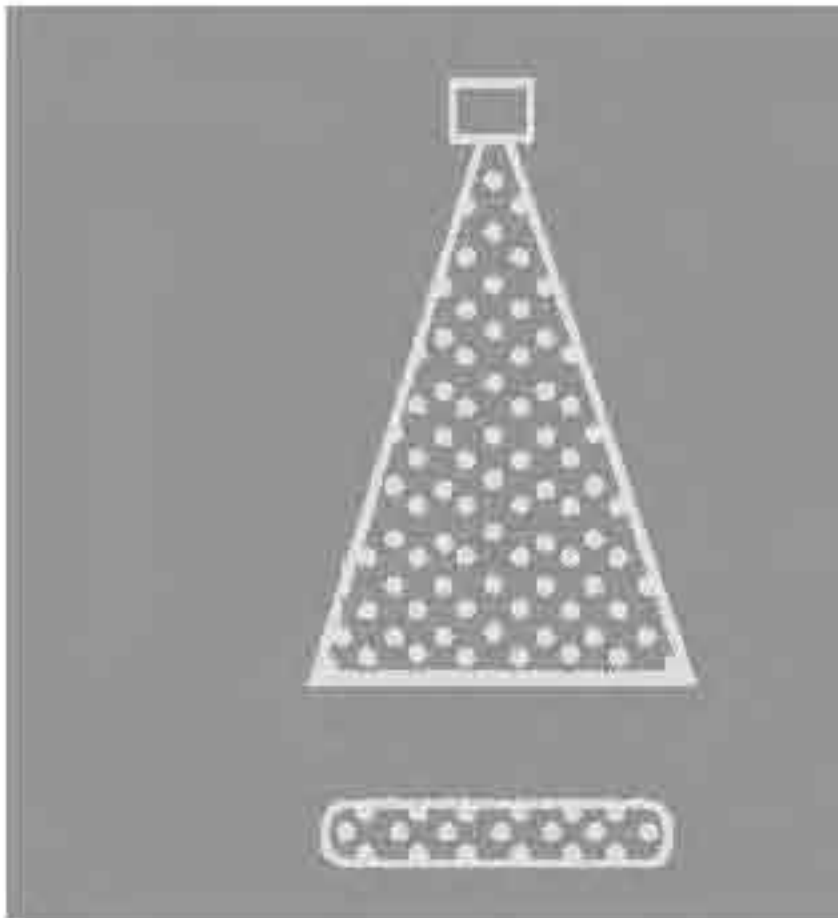
GPZ 系列高压洗涤喷嘴性能参数表

Performance Parameter Table of GPZ Series High-pressure Cleaning Nozzle

产品型号 Model		材质 Material	MPa 压力下的流量 (L/min) Flow under MPa pressure(L/min)							喷射角 (°) Spray angle (degree)
			2.0	3.0	5.0	7.0	10.0	15.0	20.0	
GPZB201-68-50		硬化 不锈钢 Hardened stainless steel	3.1	3.7	4.8	5.7	6.8	8.4	9.7	50
GPZB201-91-50			4.1	5.0	6.4	7.6	9.1	11.2	12.9	
GPZB201-114-50			5.1	6.2	8.1	9.5	11.4	14.0	16.1	
GPZB201-125-50			5.6	6.9	8.9	10.5	12.5	15.4	17.7	
GPZB201-137-50			6.1	7.5	9.7	11.4	13.7	16.7	19.3	
GPZB201-160-50			7.1	8.7	11.3	13.3	16.0	19.5	23	
GPZB201-182-50			8.2	10.0	12.9	15.3	18.2	22	26	
GPZB201-210-50			9.2	11.2	14.5	17.2	21	25	29	
GPZB201-230-50			10.2	12.5	16.1	19.1	23	28	32	
GPZB201-340-50			15.3	18.7	24	29	34	42	48	
GPZB201-460-50		硬化 不锈钢 Hardened stainless steel	20	25	32	38	46	56	64	65
GPZB201-91-65			4.1	5.0	6.4	7.6	9.1	11.2	12.9	
GPZB201-114-65			5.1	6.2	8.1	9.5	11.4	14.0	16.1	
GPZB201-125-65			5.6	6.9	8.9	10.5	12.5	15.4	17.7	
GPZB201-137-65			6.1	7.5	9.7	11.4	13.7	16.7	19.3	
GPZB201-160-65			7.1	8.7	11.3	13.3	16.0	19.5	23	
GPZB201-182-65			8.2	10.0	12.9	15.3	18.2	22	26	
GPZB201-210-65			9.2	11.2	14.5	17.2	21	25	29	
GPZB201-230-65			10.2	12.5	16.1	19.1	23	28	32	
GPZB201-340-65			15.3	18.7	24	29	34	42	48	
GPZB201-460-65			20	25	32	38	46	56	64	
GPZB201-680-65			31	37	48	57	68	84	97	

GPZ series high-pressure nozzle

GPZ 系列高压喷嘴



GPZ 系列高压洗涤喷嘴性能参数表

Performance Parameter Table of GPZ Series High-pressure Cleaning Nozzle

产品型号 Model		材质 Material	MPa 压力下的流量 (L/min) Flow under MPa pressure(L/min)							喷射角 (°) Spray angle (degree)
			2.0	3.0	5.0	7.0	10.0	15.0	20.0	
GPZB202-46-15		不锈钢	2.0	2.5	3.2	3.8	4.6	5.6	6.4	15
GPZB202-68-15			3.1	3.7	4.8	5.7	6.8	8.4	9.7	
GPZB202-91-15			4.1	5.0	6.4	7.6	9.1	11.2	12.9	
GPZB202-103-15			4.6	5.6	7.3	8.6	10.3	12.6	14.5	
GPZB202-114-15			5.1	6.2	8.1	9.5	11.4	14.0	16.1	
GPZB202-125-15			5.6	6.9	8.9	10.5	12.5	15.4	17.7	
GPZB202-137-15			6.1	7.5	9.7	11.4	13.7	16.7	19.3	
GPZB202-160-15			7.1	8.7	11.3	13.3	16.0	19.5	23	
GPZB202-182-15			8.2	10.0	12.9	15.3	18.2	22	26	
GPZB202-210-15			9.2	11.2	14.5	17.2	21	25	29	
GPZB202-230-15			10.2	12.5	16.1	19.1	23	28	32	
GPZB202-270-15			12.2	15.0	19.3	23	27	33	39	
GPZB202-340-15			15.3	18.7	24	29	34	42	48	
GPZB202-91-25		碳化钨	4.1	5.0	6.4	7.6	9.1	11.2	12.9	25
GPZB202-103-25			4.6	5.6	7.3	8.6	10.3	12.6	14.5	
GPZB202-114-25			5.1	6.2	8.1	9.5	11.4	14.0	16.1	
GPZB202-125-25			5.6	6.9	8.9	10.5	12.5	15.4	17.7	
GPZB202-137-25			6.1	7.5	9.7	11.4	13.7	16.7	19.3	
GPZB202-160-25			7.1	8.7	11.3	13.3	16.0	19.5	23	
GPZB202-182-25			8.2	10.0	12.9	15.3	18.2	22	26	
GPZB202-210-25			9.2	11.2	14.5	17.2	21	25	29	
GPZB202-230-25			10.2	12.5	16.1	19.1	23	28	32	
GPZB202-270-25			12.2	15.0	19.3	23	27	33	39	
GPZB202-114-40		Stainless Steel	5.1	6.2	8.1	9.5	11.4	14.0	16.1	40
GPZB202-137-40			6.1	7.5	9.7	11.4	13.7	16.7	19.3	
GPZB202-182-40			8.2	10.0	12.9	15.3	18.2	22	26	
GPZB202-340-40		Tungsten Carbide	15.3	18.7	24	29	34	42	48	50
GPZB202-68-50			3.1	3.7	4.8	5.7	6.8	8.4	9.7	
GPZB202-114-50			5.1	6.2	8.1	9.5	11.4	14.0	16.1	
GPZB202-160-50			7.1	8.7	11.3	13.3	16.0	19.5	23	
GPZB202-340-50			15.3	18.7	24	29	34	42	48	65
GPZB202-68-65			3.1	3.7	4.8	5.7	6.8	8.4	9.7	
GPZB202-91-65			4.1	5.0	6.4	7.6	9.1	11.2	12.9	
GPZB202-182-65			8.2	10.0	12.9	15.3	18.2	22	26	
GPZB202-210-65			9.2	11.2	14.5	17.2	21	25	29	
GPZB202-340-65			15.3	18.7	24	29	34	42	48	

High-pressure Cleaning nozzle

高压洗涤喷嘴

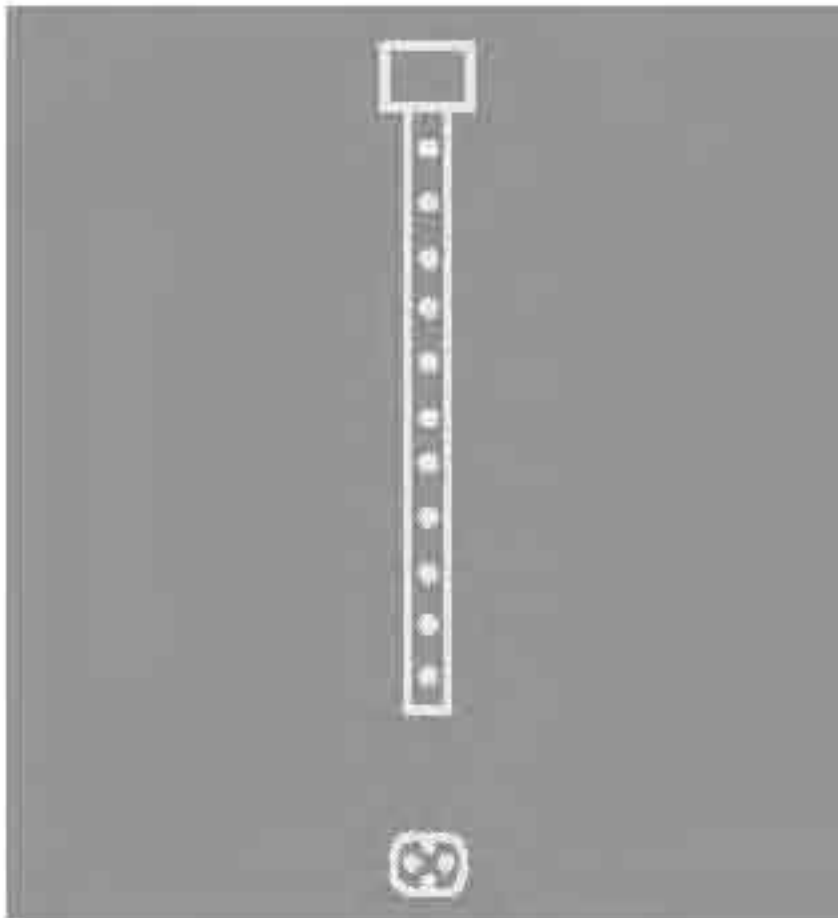
GPZ 系列高压洗涤喷嘴性能参数表

Performance Parameter Table of GPZ Series High-pressure Cleaning Nozzle

产品型号 Model		材质 Material	MPa 压力下的流量 (L/min) Flow under MPa pressure(L/min)							喷射角 (°) Spray angle (degree)
			2.0	3.0	5.0	7.0	10.0	15.0	20.0	
GPZY201-46-00		硬化 不锈钢 Hardened stainless steel	2.0	2.5	3.2	3.8	4.6	5.6	6.4	0
GPZY201-68-00			3.1	3.7	4.8	5.7	6.8	8.4	9.7	
GPZY201-91-00			4.1	5.0	6.4	7.6	9.1	11.2	12.9	
GPZY201-103-00			4.6	5.6	7.3	8.6	10.3	12.6	14.5	
GPZY201-114-00			5.1	6.2	8.1	9.5	11.4	14.0	16.1	
GPZY201-125-00			5.6	6.9	8.9	10.5	12.5	15.4	17.7	
GPZY201-137-00			6.1	7.5	9.7	11.4	13.7	16.7	19.3	
GPZY201-148-00			6.6	8.1	10.5	12.4	14.8	18.1	21	
GPZY201-160-00			7.1	8.7	11.3	13.3	16.0	19.5	23	
GPZY201-171-00			7.6	9.4	12.1	14.3	17.1	21	24	
GPZY201-182-00			8.2	10.0	12.9	15.3	18.2	22	26	
GPZY201-194-00			8.7	10.6	13.7	16.2	19.4	24	27	
GPZY201-210-00			9.2	11.2	14.5	17.2	21	25	29	
GPZY201-230-00			10.2	12.5	16.1	19.1	23	28	32	
GPZY201-250-00			11.2	13.7	17.7	21	25	31	35	
GPZY201-270-00			12.2	15.0	19.3	23	27	33	39	
GPZY201-340-00			15.3	18.7	24	29	34	42	48	
GPZY201-460-00			20	25	32	38	46	56	64	

GPZ series high-pressure nozzle

GPZ 系列高压喷嘴



GPZ 系列高压洗涤喷嘴性能参数表

Performance Parameter Table of GPZ Series High-pressure Cleaning Nozzle

产品型号 Model		材质 Material	MPa 压力下的流量 (L/min) Flow at MPa pressure(L/min)							喷射角 (°) Spray angle (degree)
			2.0	3.0	5.0	7.0	10.0	15.0	20.0	
GPZY202-68-00		硬化 不锈钢 Hardened stainless steel	3.1	3.7	4.8	5.7	6.8	8.4	9.7	0
GPZY202-91-00			4.1	5.0	6.4	7.6	9.1	11.2	12.9	
GPZY202-103-00			4.6	5.6	7.3	8.6	10.3	12.6	14.5	
GPZY202-114-00			5.1	6.2	8.1	9.5	11.4	14.0	16.1	
GPZY202-125-00			5.6	6.9	8.9	10.5	12.5	15.4	17.7	
GPZY202-137-00			6.1	7.5	9.7	11.4	13.7	16.7	19.3	
GPZY202-148-00			6.6	8.1	10.5	12.4	14.8	18.1	21	
GPZY202-160-00			7.1	8.7	11.3	13.3	16.0	19.5	23	
GPZY202-171-00			7.6	9.4	12.1	14.3	17.1	21	24	
GPZY202-182-00			8.2	10.0	12.9	15.3	18.2	22	26	
GPZY202-194-00			8.7	10.6	13.7	16.2	19.4	24	27	
GPZY202-210-00			9.2	11.2	14.5	17.2	21	25	29	
GPZY202-230-00			10.2	12.5	16.1	19.1	23	28	32	
GPZY202-250-00			11.2	13.7	17.7	21	25	31	35	
GPZY202-270-00			12.2	15.0	19.3	23	27	33	39	
GPZY202-300-00			13.3	16.2	21	25	30	36	42	
GPZY202-340-00			15.3	18.7	24	29	34	42	48	
GPZY202-360-00			16.3	20	26	31	36	45	52	
GPZY202-410-00			18.3	22	29	34	41	50	58	
GPZY202-460-00			20	25	32	38	46	56	64	
GPZY202-570-00			25	31	40	48	57	70	81	
GPZY202-680-00			31	37	48	57	68	84	97	
GPZY202-800-00			36	44	56	67	80	98	113	
GPZY202-910-00			41	50	64	76	91	112	129	
GPZY202-1140-00			51	62	81	95	114	140	161	
GPZY202-1370-00			61	75	97	114	137	167	193	
GPZY202-1600-00			71	87	113	133	160	195	225	
GPZY202-1820-00			82	100	129	153	182	225	260	
GPZY202-2050-00			92	112	145	172	205	250	290	

GPZ 系列高压洗涤喷嘴性能参数表

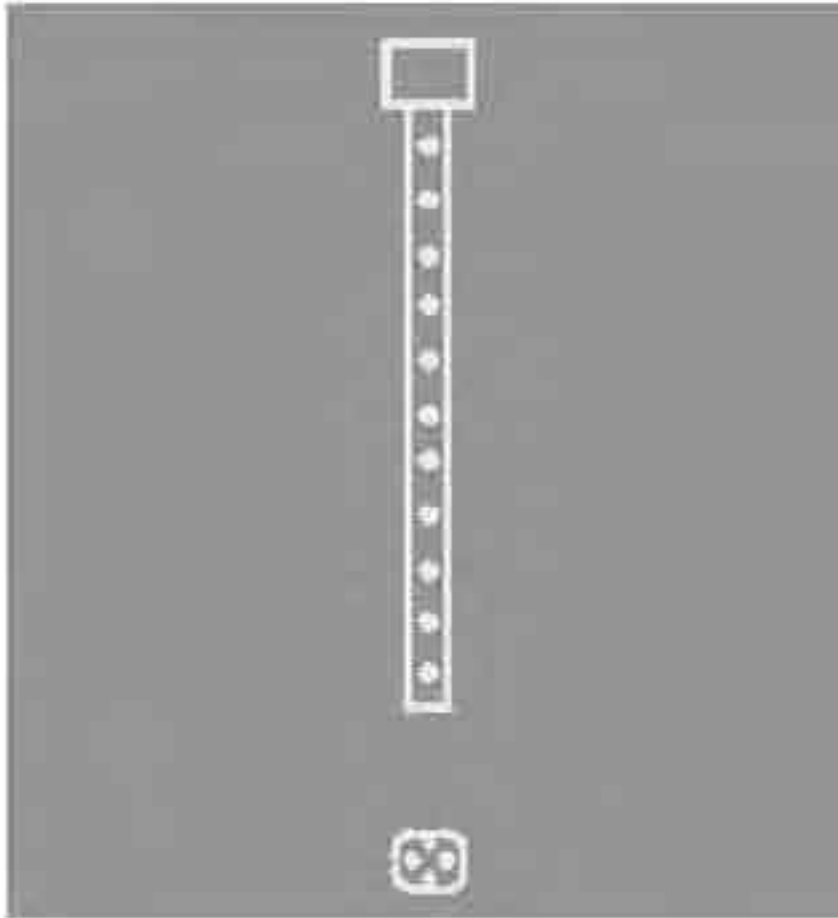
Performance Parameter Table of GPZ Series High-pressure Cleaning Nozzle

产品型号 Model		材质 Material	MPa 压力下的流量 (L/min) Flow at MPa pressure(L/min)							喷射角 (°) Spray angle (degree)
			2.0	3.0	5.0	7.0	10.0	15.0	20.0	
GPZY203-46-00		不锈钢 碳化钨 Stainless Steel Tungsten Carbide	2.0	2.5	3.2	3.8	4.6	5.6	6.4	0
GPZY203-68-00			3.1	3.7	4.8	5.7	6.8	8.4	9.7	
GPZY203-91-00			4.1	5.0	6.4	7.6	9.1	11.2	12.9	
GPZY203-114-00			5.1	6.2	8.1	9.5	11.4	14.0	16.1	
GPZY203-125-00			5.6	6.9	8.9	10.5	12.5	15.4	17.7	
GPZY203-137-00			6.1	7.5	9.7	11.4	13.7	16.7	19.3	
GPZY203-160-00			7.1	8.7	11.3	13.3	16.0	19.5	23	
GPZY203-182-00			8.2	10.0	12.9	15.3	18.2	22	26	
GPZY203-210-00			9.2	11.2	14.5	17.2	21	25	29	
GPZY203-230-00			10.2	12.5	16.1	19.1	23	28	32	
GPZY203-460-00			20	25	32	38	46	56	64	

GPZ 系列高压洗涤喷嘴性能参数表

Performance Parameter Table of GPZ Series High-pressure Cleaning Nozzle

产品型号 Model		材质 Material	MPa 压力下的流量 (L/min) Flow at MPa pressure(L/min)									喷射角 (°) Spray angle (degree)
			1.0	1.5	2.0	2.5	3.0	4.0	5.0	7.0	10.0	
GPZY204-04-00		不锈钢 碳化钨 Stainless Steel Tungsten Carbide	0.014	0.017	0.020	0.022	0.024	0.028	0.031	0.037	0.044	0
GPZY204-2-00			0.054	0.066	0.076	0.085	0.094	0.108	0.121	0.143	0.171	
GPZY204-4-00			0.122	0.149	0.173	0.193	0.211	0.244	0.273	0.323	0.386	
GPZY204-7-00			0.217	0.266	0.307	0.343	0.376	0.434	0.485	0.574	0.686	
GPZY204-11-00			0.339	0.415	0.480	0.536	0.587	0.678	0.758	0.897	1.072	
GPZY204-15-00			0.488	0.598	0.690	0.772	0.845	0.976	1.092	1.292	1.544	
GPZY204-21-00			0.664	0.814	0.967	1.050	1.151	1.329	1.480	1.757	2.101	
GPZY204-27-00			0.868	1.063	1.228	1.372	1.503	1.736	1.941	2.296	2.744	
GPZY204-35-00			1.098	1.345	1.554	1.737	1.903	2.197	2.456	2.906	3.473	
GPZY204-43-00			1.356	1.661	1.918	2.144	2.349	2.712	3.032	3.588	4.288	



高压喷嘴订购说明

由于高压喷嘴应用在各种场合，工况环境的不同决定了其订货的复杂性，可整套订购，也可分零部件订购。

螺母：

订购示例：GPZB7 型

喷头：

订购示例：GPZB7-720-30

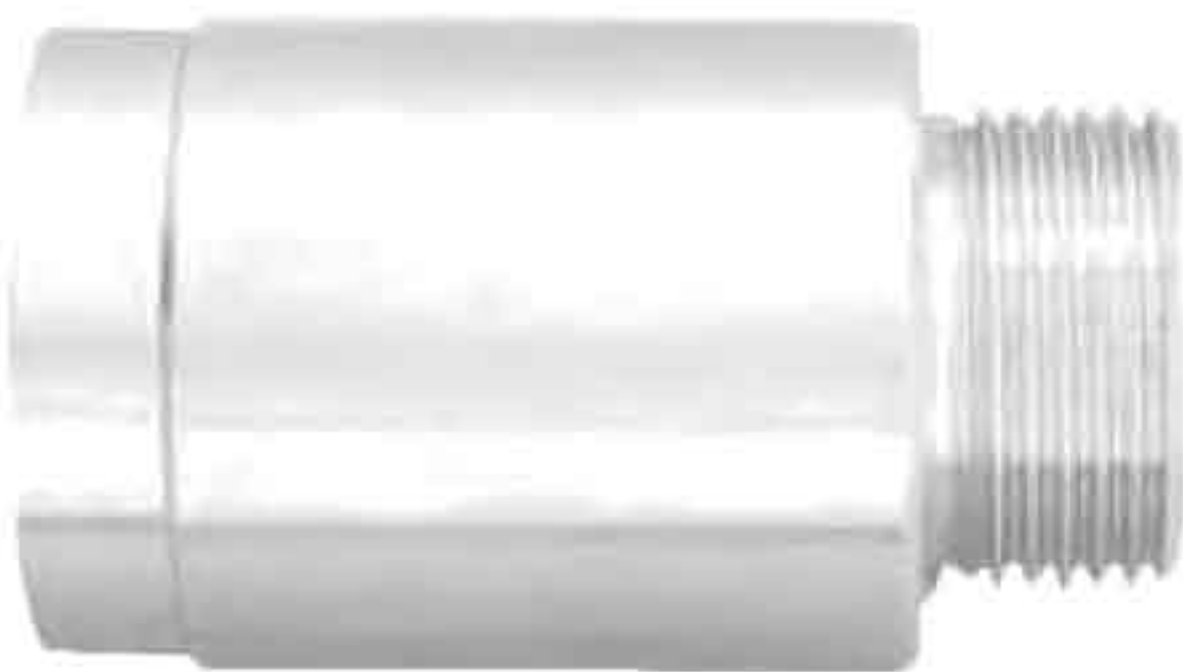
喷嘴座

Nozzle Base

L
63
66
73
100
120
142
159

订购示例：所配喷头型号 喷嘴座长
GPZB7-720-30 / 100

Example: Model No. of spray head length of nozzle base
GPZB7-720-30 / 100



稳流器

Current Stabilizer

L
74
94
110
130
150

订购示例：所配喷头型号 喷嘴座长 稳流器长
GPZB7-720-30 / 100 / 110

Example: Model No. of spray head length of nozzle base length of current stabilizer
GPZB7-720-30 / 100 / 110



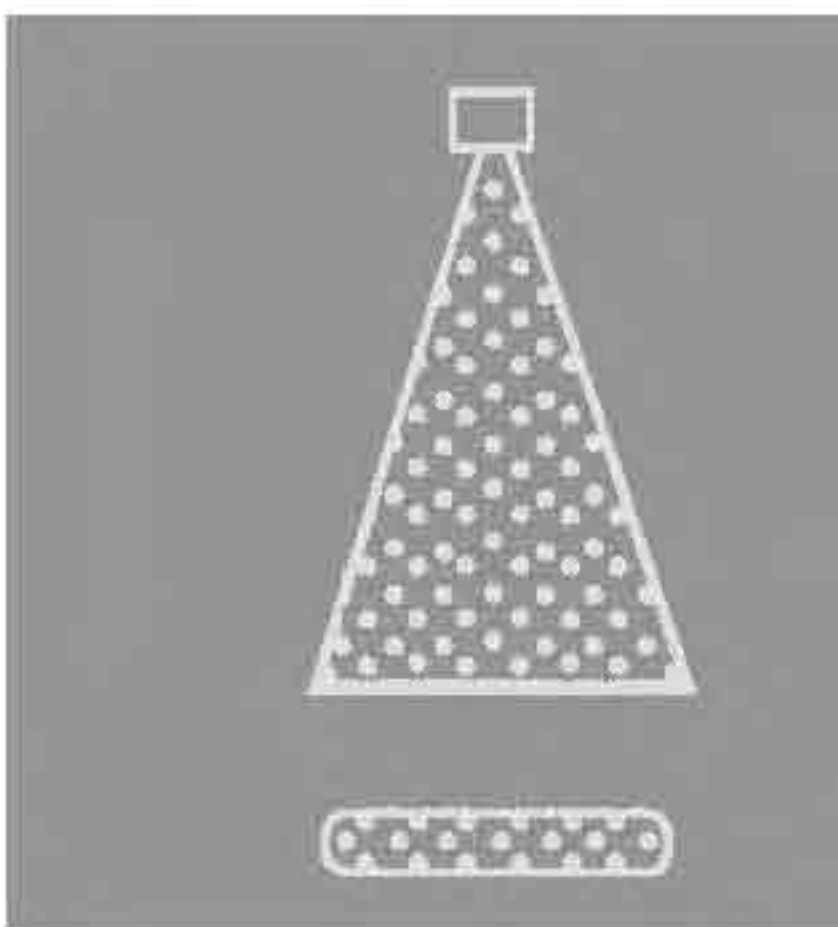
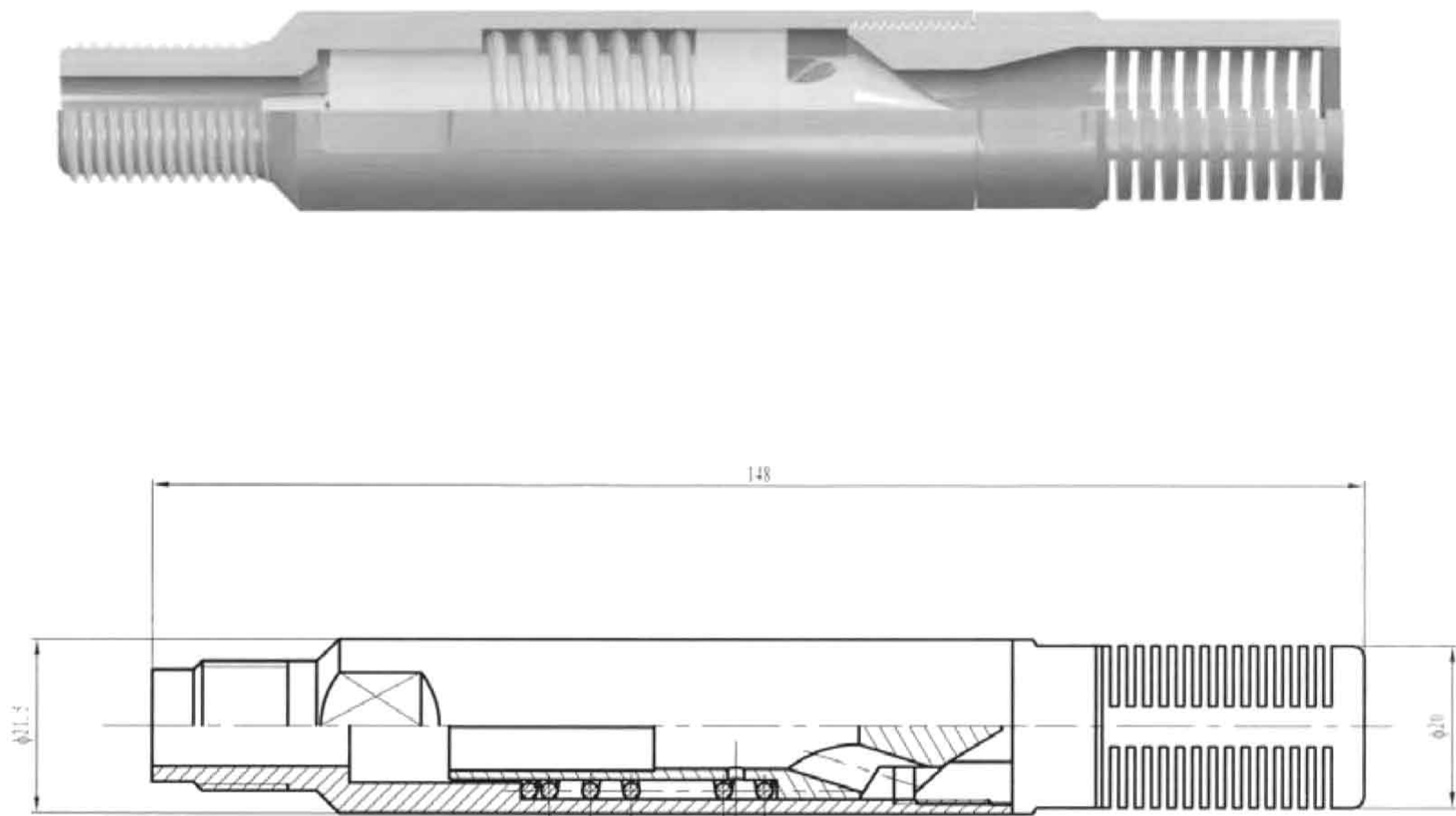
带止回阀的稳流器

Current Stabilizer with Stop Valve

此止回阀集成在高压除鳞喷嘴部件（稳流器）中，可以在用户规定的压力下（例如 5kg、7kg、10kg、12kg）打开工作；材质为不锈钢。其特点为无水锤、不需旁通水，能控制板坯冷却，优化轧制节奏，使板坯温降一致，除鳞的同时对板坯无负面影响，且开关安全可靠，其优化的内部结构使紊流降低，压降最小，打击力最大。

This stop valve is fitted on the current stabilizer of the high-pressure descaling nozzle, and can be opened for operation under the user-specified pressure (e.g. 5kg, 7kg, 10kg, 12kg). It is made of stainless steel. He main feature is that it is free from water hammer and requires no water bypass. It can control the cooling of plates, optimize the rhythm of rolling and make temperature reduction uniform. While descaling, it has no negative effect on the plate quality. And, the switch is safe and reliable, and the optimized structure keeps flow disturbance on a very low level, pressure reduction minimum and impact force maximum.

L	订购示例：			
148	所配喷头型号	喷嘴座长	带止回阀的稳流器，	长 148m, 在 10kg 压力下打开工作
174	GPZB7-720-30	/ 100	/ 148-ZF10	
	Ordering example:			
	Model No. of spraying head	length of nozzle base	current stabilizer with stop valve	148m long, open for operation under 10kg pressure
	GPZB7-720-30	/ 100	/ 148-ZF10	



喷嘴的拆卸工具

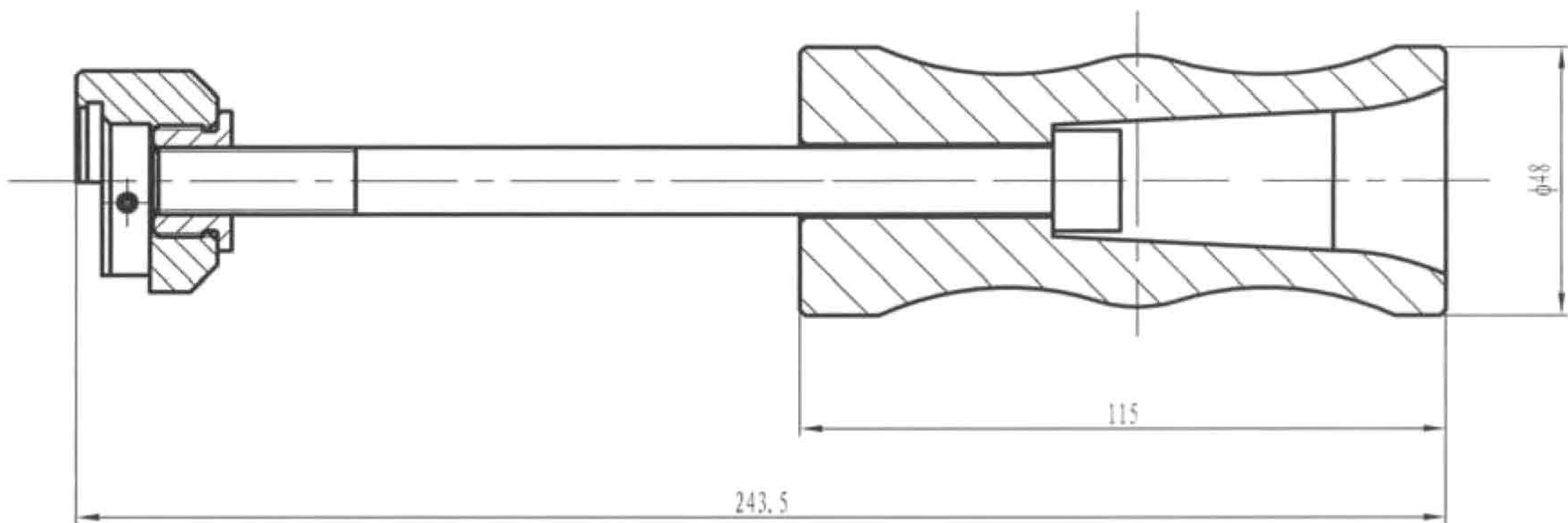
Tools for nozzle discharge

订购示例 (拆卸 GPZB7 型喷头的专用工具)

项目名称		喷头系列号
CLGJ	—	B7

Ordering example (special tools for discharging GPZB7 spraying head)

Item name		Serial number of spraying head
CLGJ	-	B7



注：用户对产品性能参数和外型尺寸若有不同需要，订货时请附说明

Note: The user, if having some special requirements for the performance parameters, shapes and dimensions, shall specify at the time of ordering

高压集水管

我公司除设计研制高压水喷嘴外，还可承担与喷嘴密切相关的各种高压集水管，其基本形式与喷嘴布置形式如下：

1、上下集管基本安装形式(C图)

2、喷嘴在集管上的布置形式：

· 所有喷嘴的喷射扇形面方向平行一致(A图)

· 两边喷嘴的喷射扇形面方向相反，中部喷嘴的喷射扇形面方向与集管轴线一致(B图)

High - pressure Collector Pipe

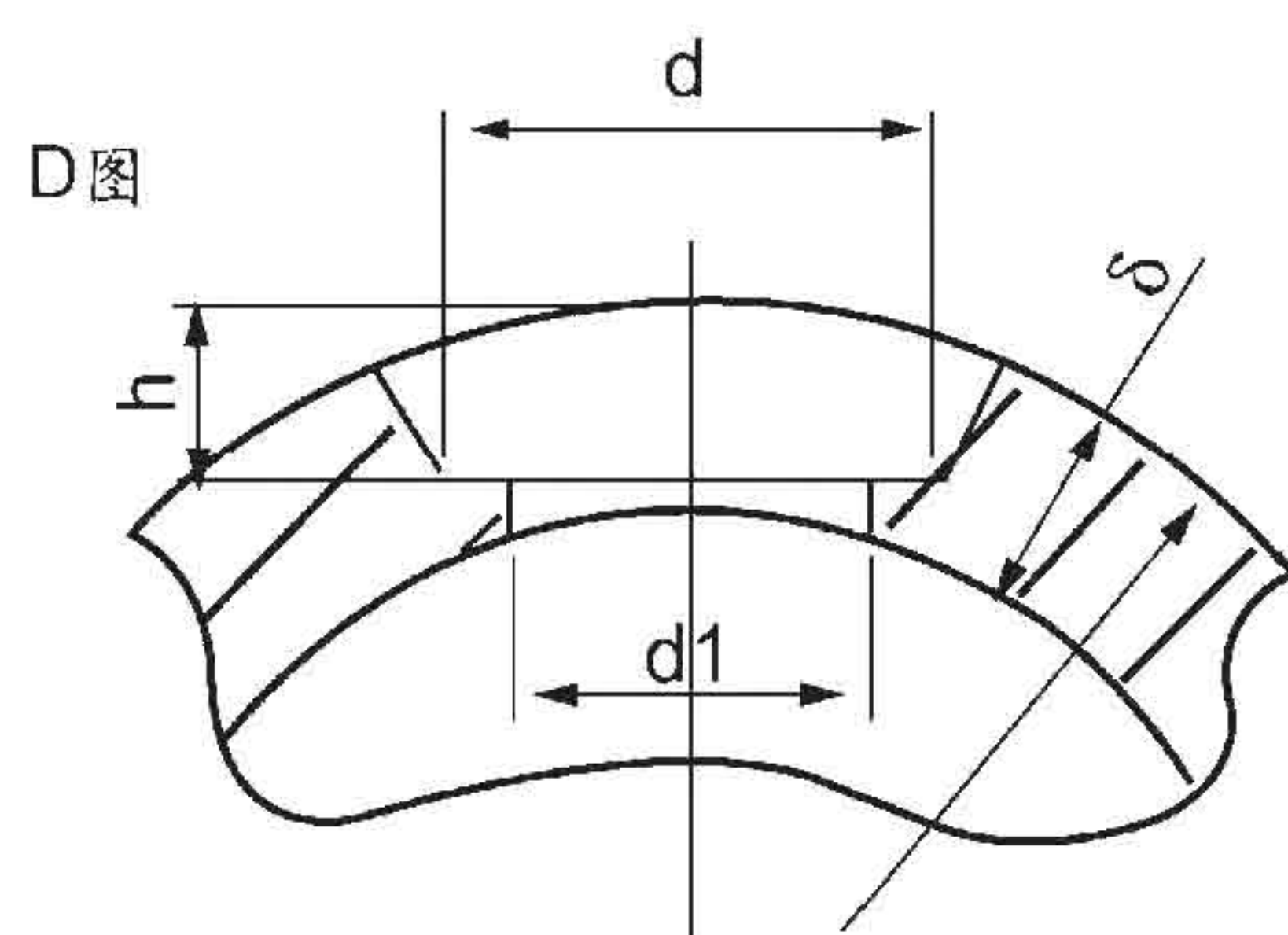
Oure company still undertakes various high- collector pipes related to nozzle in addition to designingand developing of nozzle of high pressure water. Its basic form and arrangement of nozzle are as following:

1. The basic mounting form of uppe, and lower collector pipe (figure C)

2. Arrangement of nozzle on collector pipe.

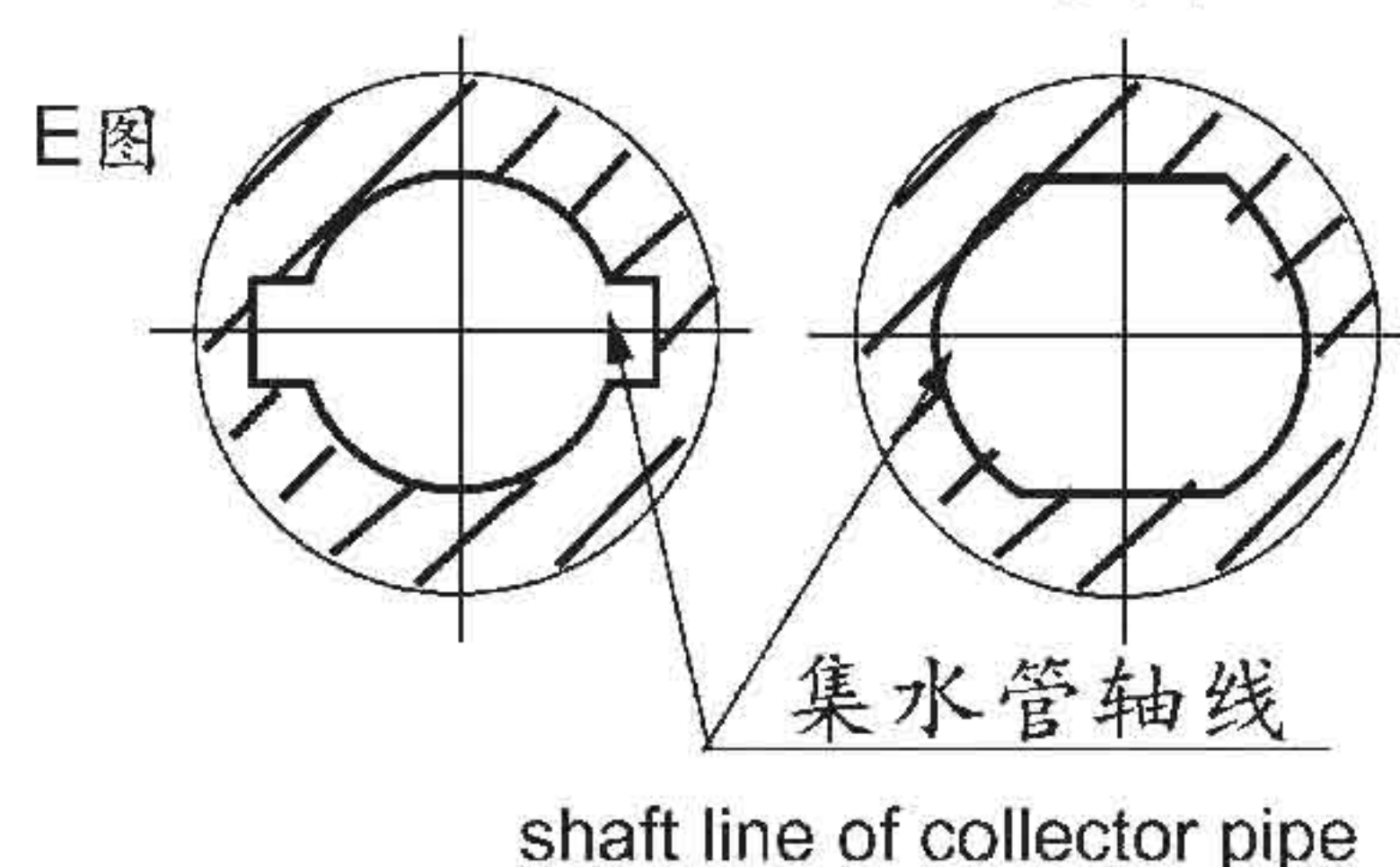
· The spray direction all nozzles are parallel and same (figure A)

· The spray direction of all nozzles are opposite and the spray direction of middle nozzles is same with the shaft line of collector pipe (figure B)



喷嘴联接管钻孔口尺寸图

Diagram of drill hole size of nozzle connecting pipe



shaft line of collector pipe

注：1、图 C，D 中尺寸符号按用户图样中对应尺寸确定；

2、A 图中，联接体内定位槽轴线与集管轴线一致；(如图 E)

3、B 图中，联接体内定位槽的方向按喷射方向分别确定。

Note: 1, Define the size marks in figure C and D according to the corresponding size of sample figure of user.

2, In figure A, the shaft line of locating slot in the connecting body is same with the shaft it line of collector pipe (shown as figure E).

3, In figure B, separately define the direction of the setting slot in connecting body according to the spray direction.

