Technical Data Sheet

Poly Spray Nozzles

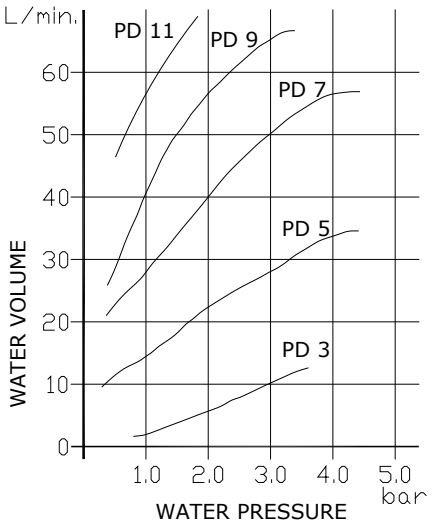
This data sheet refers to the range of poly spray nozzles available for mining and quarry applications, through the Agile Screening.

Agile Screening nozzles offer;

- Long Life
- High Efficiency
- Low Cost

	PD 3 (3mm bore)		PD 5 (5mm bore)		PD 7 (7mm bore)		PD 9 (9mm bore)		PD 11 (11mm bore)	
Part #	**PSN0300ZAA**		**PSN0500ZAA**		**PSN0700ZAA**		**PSN0900ZAA**		**PSN1100ZAA**	
Height Over Deck	***1.5 bar***	***2.5 bar***	***1.5 bar***	***2.5 bar***	***1.5 bar***	***2.5 bar***	***1.5 bar***	***2.5 bar***	***1.5 bar***	***2.5 bar***
200mm	300	400	500	800	1000	1200	900	1100	900	1000
300mm	350	450	800	900	1100	1300	1100	1400	1200	1300
400mm	400	500	1050	1200	1200	1400	1300	1500	1400	1500
Also Avail:	***PD 13 (13mm bore) PSN1300ZAA***									
	PD 16 (16mm bore) PSN1600ZAA									
	WIDTH OF SPRAY (mm)								ALL MEASUREMENTS APPROXIMATE ONLY	

Size	Part Numbers
PD3	PSN0300ZAA
PD5	PSN0500ZAA
PD7	PSN0700ZAA
PD9	PSN0900ZAA
PD11	PSN1100ZAA
PD13	PSN1300ZAA
PD16	PSN1600ZAA



The following can be taken as a general rule:

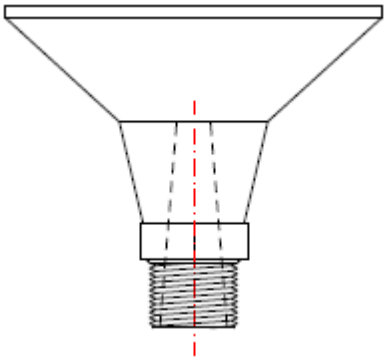
- Small material size, low pressure, large water quantity - Use PD 9 or PD 11
- Large material size, high pressure, medium water quantity – Use PD 5 or PD 7

Polyurethane Spray Nozzles

All poly nozzles have a self-sealing, tapered ¾ inch outside thread, which provides problem free installation on all existing spray equipment. They can either be connected direct to inside threads, or by means of commonly available barrel union, to outside threads.

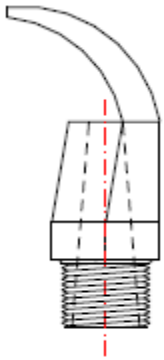
Spray Nozzles

Poly Nozzles were developed specifically for practical screening applications. They are tough, corrosion and abrasion resistant and will not block easily. However, Agile Screening recommends installation of a protective strainer with approximately 1.0 mm aperture mesh at the water supply inlet.



Poly Nozzles are equally suited to high and low water pressures. From 0.3 to 3 bar (bars to PSI – multiply by 14.504) they form an even, sharply defined, fan shaped curtain of water with high washing intensity. Technical details for the application of Poly Nozzles can be found in the accompanying table. In practice it has been discovered that, nearly always, better washing can be achieved with lower water pressures.

Poly Nozzles are not only ideally suited to washing, but can improve the quality of your product. Also, by setting the nozzles at any angle, they can be used for evenly spreading the material over the screen and/or re-directing it around blank screens.



Poly Nozzles are made from the same grade of polyurethane which has been successfully used in the manufacture of screen-cloths for many years in all five continents.