

## Poly Spray Nozzles

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

Locker Group spray nozzles offer;

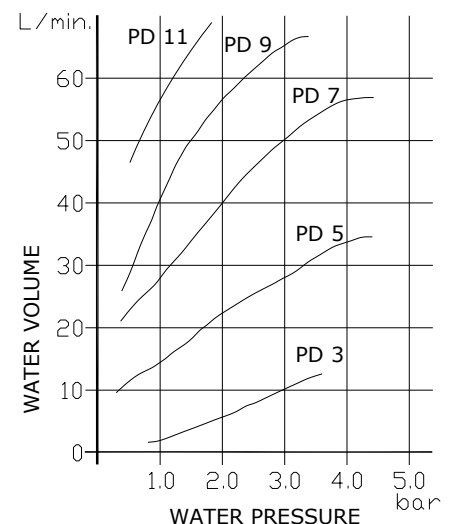
- Long Life
- High Efficiency
- Low Cost

	PD 3 (3mm bore)		PD 5 (5mm bore)		PD 7 (7mm bore)		PD 9 (9mm bore)		PD 11 (11mm bore)	
<b>Part #</b>	PSN0300ZAA		PSN0500ZAA		PSN0700ZAA		PSN0900ZAA		PSN1100ZAA	
<b>Height Over Deck</b>	<b>1.5 bar</b>	<b>2.5 bar</b>	<b>1.5 bar</b>	<b>2.5 bar</b>	<b>1.5 bar</b>	<b>2.5 bar</b>	<b>1.5 bar</b>	<b>2.5 bar</b>	<b>1.5 bar</b>	<b>2.5 bar</b>
<b>200mm</b>	300	400	500	800	1000	1200	900	1100	900	1000
<b>300mm</b>	350	450	800	900	1100	1300	1100	1400	1200	1300
<b>400mm</b>	400	500	1050	1200	1200	1400	1300	1500	1400	1500
<b>Also Avail:</b>	<b>PD 13 (13mm bore) PSN1300ZAA</b>									
	<b>PD 16 (16mm bore) PSN1600ZAA</b>									
	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  $\frac{3}{4}$  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.

Poly Nozzles were developed specifically for practical screening applications. They are tough, corrosion and abrasion resistant and will not block easily. However, Locker Group 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.

