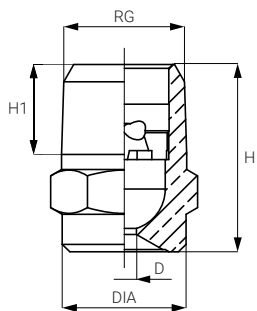


Dplus (CONSTANT SPRAY ANGLE / UNIFORM DISTRIBUTION / ANTI-OCCLUSION)

 SPECIAL VORTICATOR
PATENTED BY PNR ITALIA



Dplus series nozzle tips provide a full cone jet with a characteristic spray angle which is independent from the pressure input in a range from 1 bar to 10 bar. Spray distribution is perfectly balanced and symmetric with a very uniform coverage of the circular impact area.

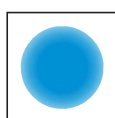
The wide internal passages prevents nozzle clogging even from large particles, while the internal controlled turbulence keep its performance stable and reliable over the all working pressure range. The large passages guarantees low local velocities meaning a high wear resistance. Dplus series full cone jet nozzles are available in a wide range of different capacities, spray angles and materials.



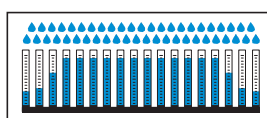
THREAD SPECIFICATIONS: BSPT, NPT

TYPICAL APPLICATIONS

- Steel
- Chemical processes
- Spray cooling



Spray section



Even distribution



STANDARD CAPACITY

CODE D1	D mm	D1 mm Minimun free passage	Capacity at different pressure values (l/min) (bar)							Dimensions mm				
			1.0	2.0	3.0	4.0	5.0	7.0	10	H	H1	DIA	WS	RG
1235	2	1.8	1.43	2.15	2.35	2.7	3.15	3.52	4.1	18	9	10	12	1/8" BSPT
1294	2.1	2	2.3	2.7	2.94	3.4	3.7	4.3	5.2					
1370	2.2	2	2.1	2.8	3.7	4	4.3	5	5.8					
1470	2.3	2	2.7	3.8	4.7	5.4	6	7.18	8.6					

CODE D2	D mm	D1 mm Minimun free passage	Capacity at different pressure values (l/min) (bar)							Dimensions mm				
			1.0	2.0	3.0	4.0	5.0	7.0	10	H	H1	DIA	WS	RG
1235	2	2	1.43	2.15	2.35	2.7	3.15	3.52	4.1	22,5	12,5	13,5	14	1/4" BSPT
1294	2.1	2.1	2.3	2.7	2.94	3.4	3.7	4.3	5.2					
1370	2.2	2.2	2.1	2.8	3.7	4	4.3	5	5.8					
1470	2.5	2.5	3	3.9	4.7	5.2	5.8	6.8	7.5					
1588	2.8	2.8	3.4	5	5.88	6.6	7.2	8.2	9.5					
1659	3.3	3	3.8	5.4	6.59	7.6	8.5	10	12					
1740	3.5	3.5	4.3	6	7.4	8.54	9.55	11.3	13.5					
1940	3.8	3.5	5.4	7.7	9.4	10.8	12.1	14.3	17.2	1/4" NPT				

THREAD SIZE CODE (RG)

D1	D2	D3	D4	D5	D6	D7	D8
1/8"	1/4"	3/8"	1/2"	1"	1 1/2"	2"	3"

(CONSTANT SPRAY ANGLE / UNIFORM DISTRIBUTION / ANTI-OCCLUSION) **Dplus**

STANDARD CAPACITY

CODE D3	D mm	D1 mm Minimum free passage	Capacity at different pressure values (l/min) (bar)								Dimensions mm				
			1.0	2.0	3.0	4.0	5.0	7.0	10	H	H1	DIA	WS	RG	
1235	1.8	2	1.43	2.15	2.35	2.7	3.15	3.52	4.1	24,5	12	16,5	17	3/8" BSPT	
1294	2	2	2.3	2.7	2.94	3.4	3.7	4.3	5.2						
1370	2.2	2	2.1	2.8	3.7	4	4.3	5	5.8						
1470	2.4	2.4	3	3.9	4.7	5.2	5.8	6.8	7.5						
1588	2.8	2.8	3.4	5	5.88	6.6	7.2	8.2	9.5						
1659	3.1	3	3.8	5.4	6.59	7.6	8.5	10	12						
1740	3.4	3.4	4.3	6	7.4	8.54	9.55	11.3	13.5						
1940	3.6	3.5	5.4	7.7	9.4	10.8	12.1	14.3	17.2						
2105	3.8	3.5	6.1	8.57	10.5	12.1	13.5	16	19.1						
2118	4	4	6.8	9.6	11.8	13.6	15.2	18	21.5						
2147	4.4	4	8.5	12	14.7	16.9	18.9	22.4	26.8						
2188	4.6	4.5	10.8	15.3	18.8	21.7	24.3	28.7	34.3						

CODE D4	D mm	D1 mm Minimum free passage	Capacity at different pressure values (l/min) (bar)								Dimensions mm				
			1.0	2.0	3.0	4.0	5.0	7.0	10	H	H1	DIA	WS	RG	
1740	3.4	3.4	4.3	6	7.4	8.54	9.55	9.55	13.5	33	18	21,5	22	1/2" BSPT	
1940	3.6	3.5	5.4	7.7	9.4	10.8	12.1	12.1	17.2						
2105	3.8	4	6.1	8.57	10.5	12.1	13.5	13.5	19.1						
2118	4	4	6.8	9.6	11.8	13.6	15.2	15.2	21.5						
2147	4.4	4.5	8.5	12	14.7	16.9	18.9	18.9	26.8						
2188	4.6	4.5	10.8	15.3	18.8	21.7	24.3	24.3	34.3						

SPRAY ANGLE AT DIFFERENT PRESSURE

(D3Q example chart)



HOW TO MAKE UP THE NOZZLE CODE

EX.: D1Q 1235 B31 SB

