

# GD (STRAIGHT JET NOZZLES)

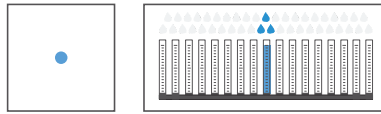
## GDA SERIES NEEDLE JET NOZZLES

GDA models are classic high impact needle jet nozzles, easy to clean and clog-resistant. Their tips spray a solid stream of high pressure water inside pipes usually containing a steel brush that can be manually or automatically rotated. The rotating brush moving inside the pipe takes all the dirt off the inner walls and then flushes out the debris through an escape valve. For their revolutionary design, GDA nozzles are ideal for high pressure cleaning in paper mills and in all industrial processes requiring a high impact needle spray jet. Their resistance to clogging ensures greater productivity and low servicing costs.



THREAD SPECIFICATION: BSPT, 9/16-24NEF  
TYPICAL APPLICATIONS

Washing: filter cloth washing, woolen blanket washing, parts washing  
Other applications: scrape paint, rust removal

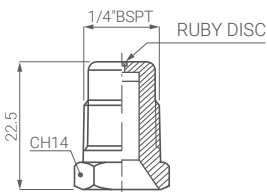


Spray section

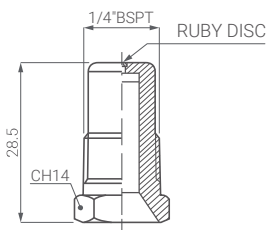
Distribution



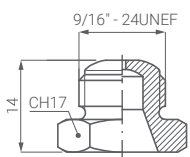
**GDA needle jet nozzles** are a one-piece construction, suitable to work with operating pressures lower than 20 bar and have a hard ruby spray tip, ideal to work with pressures lower than 200 bar. They are precisely machined and have a hydrodynamic design to produce a solid stream needle jet. Their stainless steel body and ruby tip ensure a long service life and a high resistance to wear.



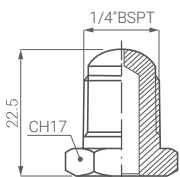
RUBY NOZZLE TIP



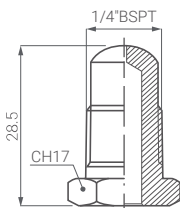
RUBY NOZZLE TIP



METAL / RUBY NOZZLE TIP



METAL

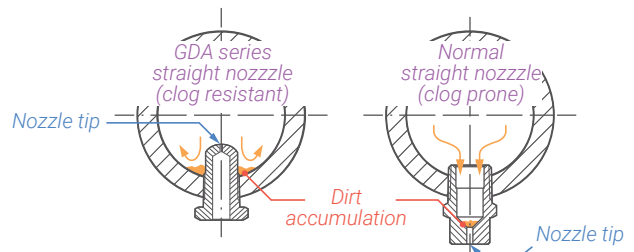


METAL

Nozzle type		CODE	D mm	Capacity at different pressure values								(l/min) (bar)		
Stainless steel	Ruby insert			3.0	5.0	10	20	30	50	70	100	150		
•	•	GDA 0120 xx xy	0.35	0.12	0.15	0.22	0.31							
•	•	GDA 0170 xx xy	0.40	0.17	0.22	0.31	0.44	0.54	0.69	0.82	0.98	1.20		
•	•	GDA 0290 xx xy	0.50	0.29	0.37	0.53	0.75	0.92	1.18	1.40	1.67	2.05		
•	•	GDA 0320 xx xy	0.60	0.32	0.41	0.58	0.83	1.01	1.31	1.55	1.85	2.26		
•	•	GDA 0420 xx xy	0.70	0.42	0.54	0.77	1.08	1.33	1.71	2.03	2.42	2.97		
•	•	GDA 0500 xx xy	0.80	0.50	0.65	0.91	1.29	1.58	2.04	2.42	2.89	3.54		
•	•	GDA 0620 xx xy	0.85	0.62	0.80	1.13	1.60	1.96	2.53	2.99	3.58	4.38		
•	•	GDA 0780 xx xy	0.90	0.78	1.01	1.42	2.01	2.47	3.18	3.77	4.50	5.52		
•	•	GDA 0890 xx xy	1.00	0.89	1.15	1.62	2.30	2.81	3.63	4.30	5.14	6.29		
•	•	GDA 1120 xx xy	1.10	1.20	1.55	2.19	3.10	3.79	4.90	5.80	6.93	8.49		
•	•	GDA 1153 xx xy	1.20	1.53	1.98	2.79	3.95	4.84	6.25	7.39	8.83	10.8		
•	•	GDA 1160 xx xy	1.40	1.60	2.07	2.92	4.13							
•	•	GDA 1270 xx xy	1.80	2.70	3.49	4.93	6.97							
•	•	GDA 1450 xx xy	2.40	4.50	5.81	8.22	11.6							
•	•	GDA 1730 xx xy	3.20	7.30	9.42	13.3	18.8							

COMPLETE NOZZLE CODE	
<b>x</b> = Body length	<b>y</b> = Thread
<b>A</b> for 14.0 mm	<b>A</b> for 1/4" BSPT
<b>B</b> for 28.5 mm	<b>B</b> for 9/16 - 24 UNEF
<b>C</b> for 22.5 mm	

**GD nozzles** are installed with their spray tips inside the pipe that spray in high pressure fluids producing turbulence to remove all dirt off the inner pipe walls. Used in combination with self-cleaning pipes, these nozzles assure complete cleaning, productivity improvement, minimal maintenance.



HOW TO MAKE UP THE NOZZLE CODE  
EX.: GDA 0120 B1AA

