



Plunger valve PN 10-16-25-40-64



Art. 76-80

Flanges: UNI EN 1092-2 PN 10-16-25-40-64  
 Fig. 77 flanged PN 16; fig. 78 flanged PN 25, fig. 79  
 flanged PN 40, fig. 80 flanged PN 64  
 Design EN1074-1, EN 1074-5, EN 1092-2  
 Installation: horizontal  
 APPLICATIONS ° Water supply ° Drinking water °  
 pumping stations ° hydropower plants ° dams  
 Epoxy painting suitable for potable drinking water  
 applications

Plunger valves are used mainly for water flow control and regulation in the pipeline, as well as discharge valves in dams. The axial movement of the piston allows flow regulation. Plunger needle valves perform very well, with silent movement, avoiding noises, water hammer effect and cavitation. Low pressure drops for opening more than 50%, while higher pressure loss happens whenever opening is lower than 40%.

Executions: gear box, electric actuator, hydraulic cylinder, hydraulic cylinder with counterweight lever.

**Materials**

body	ductile iron GGG50, EN-GJS-500
piston	stainless steel aisi 304
seal ring	stainless steel aisi 304
stem	stainless steel aisi 420
seal - o ring	rubber
plug - ogive	stainless steel
painting	epoxy 200 mcr min.

Dimensions	DN	L mm.	D mm.	Weight kg.
	80	260	200	31
	100	300	220	38
	125	300	250	41
	150	350	285	67
	200	400	340	106
	250	450	405	145
	300	500	460	195
	350	550	505	290
	400	600	565	335
	450	650	615	495
	500	700	670	490
	600	800	780	750
	700	900	895	1005
	800	1000	1015	1330
	900	1100	1115	1770
	1000	1200	1230	2290
	1200	1400	1455	3575
	1400	1600	1675	5030

