



Single / Double Flush Plug Valve

Overview

Single and double flush plug valves are special valves designed for cleaning new pipelines or pipeline systems that require regular flushing. Their core design allows for the connection and disconnection of the flushing device without affecting the main pipeline.



Key Performance & Selection Parameters

Pressure and Diameter Range: Common nominal pressure ratings are Class 150 and Class 300, sufficient for most industrial applications. A wide range of nominal diameters is available, from DN50 (2") to DN250 (10") or larger.

Material Selection: Valve body material must be selected based on the characteristics of the medium. Common choices include carbon steel (WCB) for general applications, stainless steel (304/316) for corrosive media or in the food and pharmaceutical industries, and alloy steel for high-temperature and high-pressure environments.

Sealing and Actuation: Sealing structures are available in soft seals (e.g., PTFE, good sealing performance) and hard seals (metal-to-metal, resistant to high temperature and pressure). Actuation methods support manual, worm gear, pneumatic, or electric, selectable according to automation requirements.

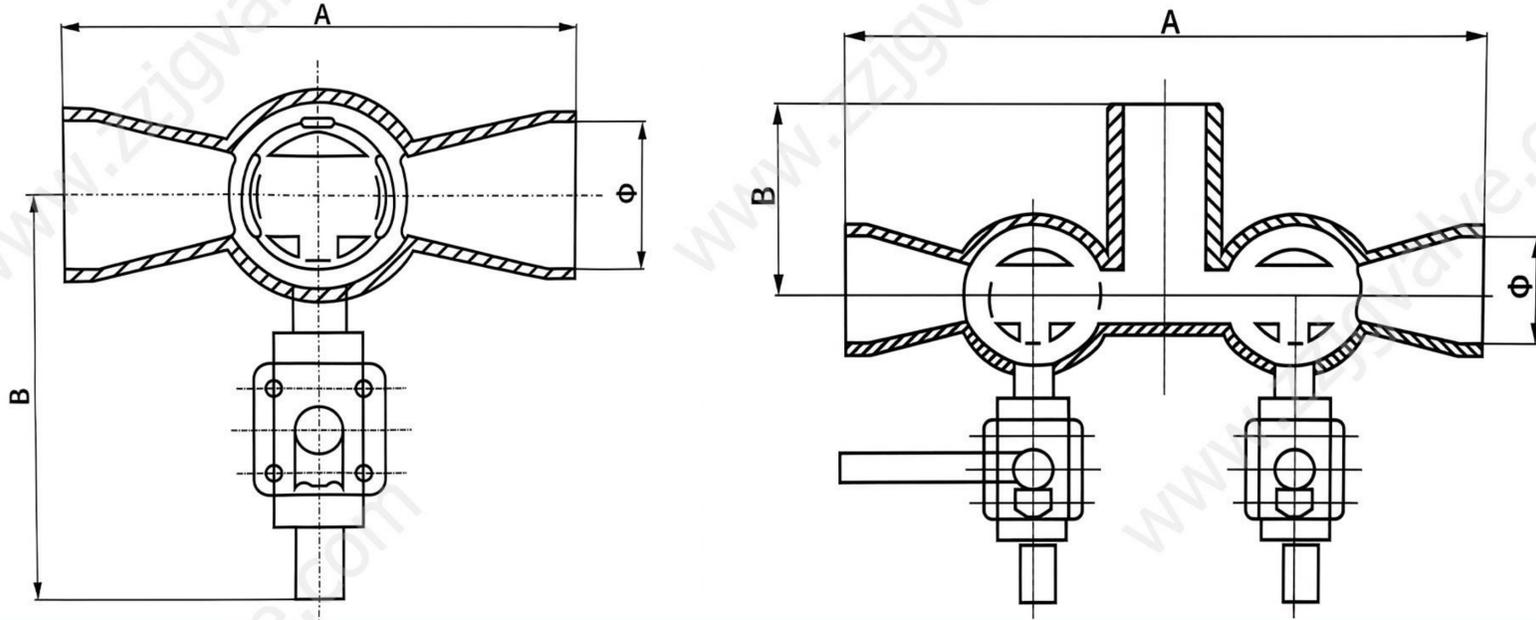
Main Technical Specification

Nominal Pressure Range	CLASS150~300Lb
Nominal Diameter Range	NPS2~10 (DN50~250)
Design & Manufacture	ASME B16.34, API 6D, API 559
Face-to-face Dimensions	ASME B16.10
Flange Connection Sizes	ASME B16.5
Sizes of Butt-welding Ends	ASME B16.11
Pressure-temperature Rating	ASME B16.34
Inspection and Testing	API 598, API 6D
Actuation Methods	Manual, gear box, electric actuator, pneumatic actuator
Main Materials	WCB, WCB, LCB, CF8, CF8M, CF3, CF3M, CF8C, CN7M, A105, F304, F304L, F316, F316L, F321





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MAIN DIMENSIONS

NPS(in)	150LB (SINGLE FLUSH)			
	A	B	C	Φ
2	216	278	/	54.8
3	283	278	/	82.8
4	305	293	/	108.2
6	403	308	/	161.5
8	419	320	/	211.6
10	457	333	/	264.7
NPS(in)	150LB (DOUBLE FLUSH)			
	A	B	C	Φ
2	356	115	278	54.8
3	406	140	293	82.8
4	458	150	308	108.2
6	534	200	320	161.5
8	584	270	270	211.6
10	660	350	350	264.7
NPS(in)	300LB (SINGLE FLUSH)			
	A	B	C	Φ
2	216	278	/	54.8
3	283	278	/	82.8
4	305	293	/	108.2
6	403	308	/	161.5
8	419	320	/	211.6
10	457	333	/	264.7
NPS(in)	300LB (DOUBLE FLUSH)			
	A	B	C	Φ
2	432	115	278	54.8
3	566	140	293	82.8
4	610	150	308	108.2
6	806	200	320	161.5
8	838	270	270	211.6
10	914	350	350	264.7

