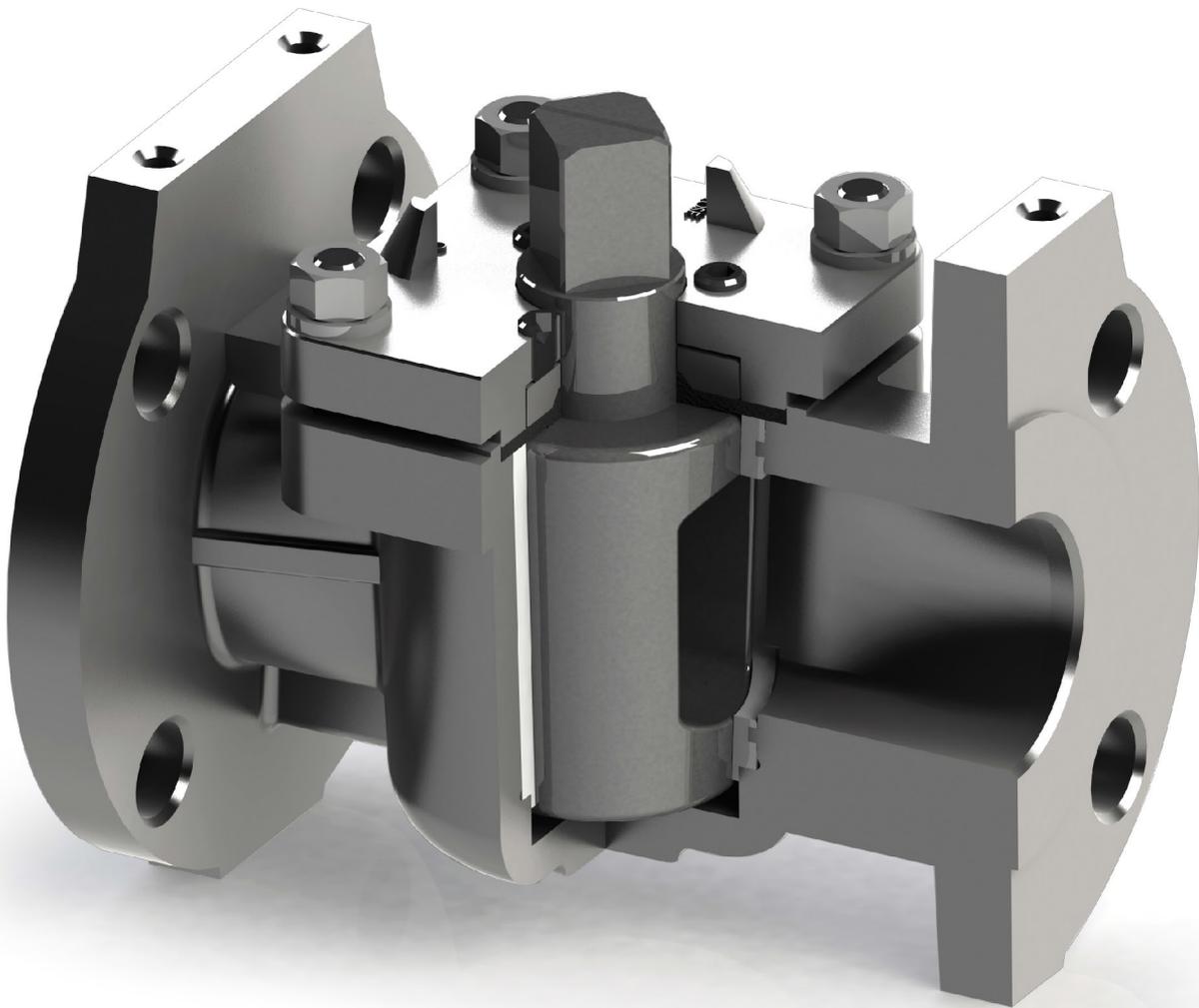




Plug Valve

X-Butt weld/Socketweld/Flanged

15mm~300mm (1/2" ~20")

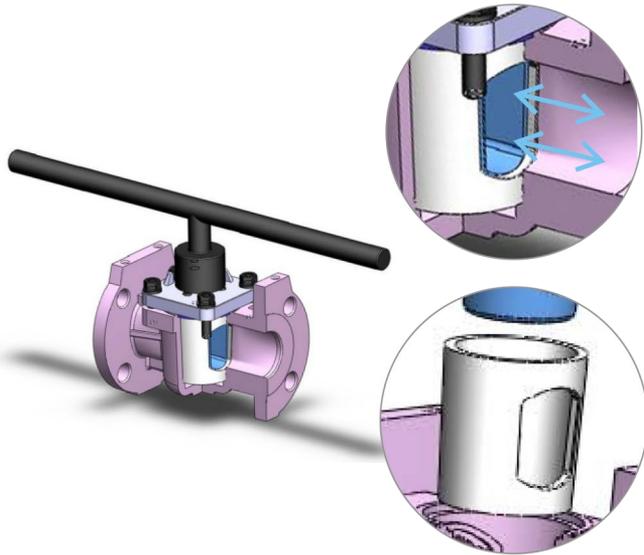


Plug Valve

Series:X01/X02/X03

Plug valves are designed for on-off and diverting applications in the oil, chemical, power, gas, mining and paper industries.

[Feature]



1. Compact design, small size, light weight, simple actuation and Bi-directional flow, multiport configurations all facilitate decreased the flux losing.
2. Unique design to prevent static and fire, safe operated.
3. The PTFE-PHB has a low coefficient of friction, ease of operation is assured, greatly extended service life.
4. The sleeve is securely nestled in the valve body, used new sealed material named PTFE-PHB, resistance of grinding, high temperature, solvent, wriggle and compress, the seal is assured and cost reductions.
5. No seizing, no sticking, as the plug rotates, it has a self-cleaning action to remove scaling and adhering media.the seal is assured and cost reductions.

[Performance Specification]

Nominal pressure		Class150	Class300
Test pressure(MPa)	Shell test	3.0	7.5
	Top sealing test	2.2	5.5
	High pressure sealing test	2.2	5.5
	Low pressure pneumatic test	0.6	0.6
Maximal working temperature(°C)		≤230	≤230

[Design Standard]

Design and Manufacture : GB/T 12240 API599 API 6D

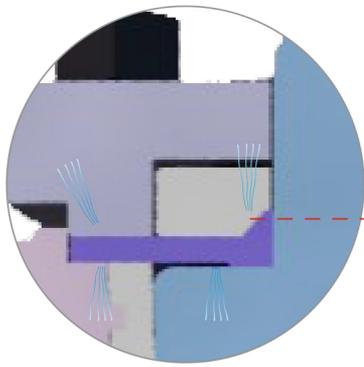
Face-to-Face Dimension : GB/T 12221 ASME B16.10

Connection Dimension : GB/T 12224 ASME B16.5 (Flanged) ASME B16.11 (Socket weld)
ASME B16.11 (Butt weld)

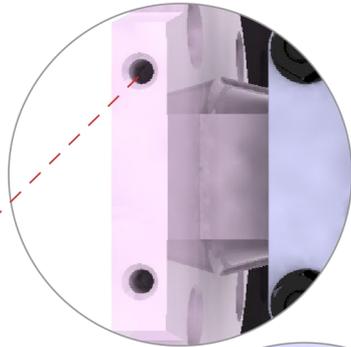
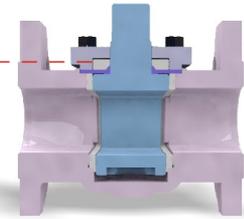
Pressure-Temperature : GB/T 9131 ASME B16.34 H420592

Test-Inspection : GB/T 13927 GB/T 9092 API 598

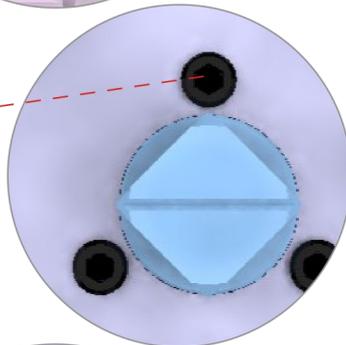
Helium Spectrometry : API 602 MSS SP-117



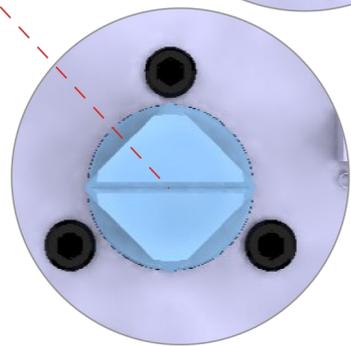
Add a secondary backup seal upon the plug provides a wide comprehensive seal, the seal is assured the axial seal, provides a zero leakage conditions.



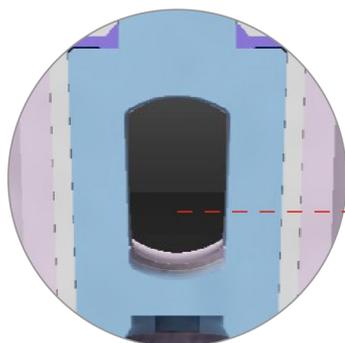
1. Variety of Body Design: the design offers a variety of models of operation, it is available on request, as pneumatic, electric motors, etc, even so no need to revise the original design.



2. Adjustment Bolts: Bolts in the top cover provide quick and easy adjustment, adjust out in-line leakage between shutdowns, a simple turn of top adjustment bolts keeps the in-line seal and provide a long service life.



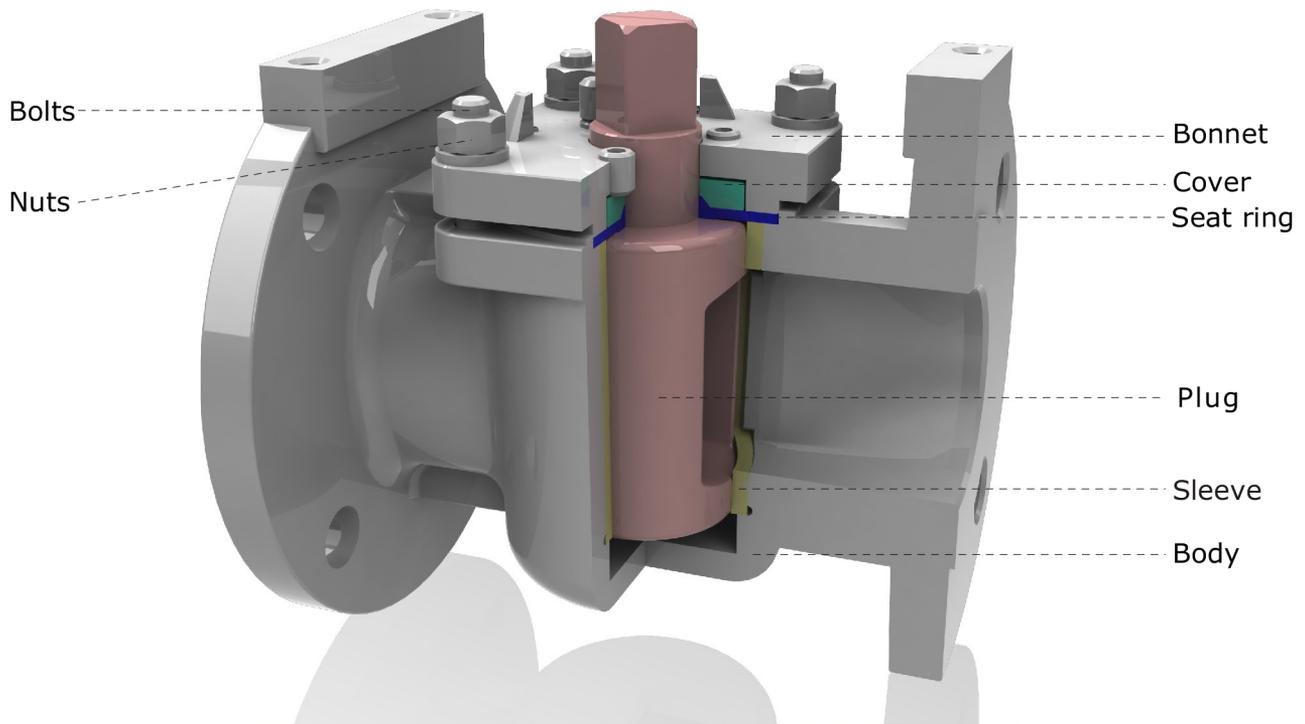
3. Positive Flow Direction Indication: as the valve fixed on the pipe, it can indicate whether the valve is on or off directly.



Self-Adjusting Plug Compensates: Among the plug and sleeve used an interference fit, advanced sealing compensate. The plug of taper constitution distributed a constant thrust on the plug to compensate for seat wear, thermal expansion and contraction. As we get advanced design, precise casting and improved machining process, provides a optimum seal and minimum torque, enhance the seal capability and security, greatly extend the service life.



[Selection of Material and Construction]



Body& Bonnet	Carbon steel ASTM A216 WCB	304/316/316L (Stainless Steel) ASTM A351 CF8/CF8M/CF3M	Alloy 20 ASTM A351 Grade Cn7M	Monel ASTM A351 M35-1	Hastelloy C ASTM A494 Hastelloy C-22/C-276	Duplex Stainless Steel ASTM A995 CD4MCu
Plug	304/316/316L (Stainless Steel) ASTM A351 CF8/CF8M/CF3M	304/316/316L (Stainless Steel) ASTM A351 CF8/CF8M/CF3M	Alloy 20 ASTM A351 Grade Cn7M	Monel ASTM A351 M35-1	Hastelloy C ASTM A494 Hastelloy C-22/C-276	Duplex Stainless Steel ASTM A995 CD4MCu
Sleeve	PTFE-PHB PTFE	PTFE-PHB PTFE	PTFE-PHB PTFE	PTFE-PHB PTFE	PTFE-PHB PTFE	PTFE-PHB PTFE
Seat ring	PTFE-PHB PTFE	PTFE-PHB PTFE	PTFE-PHB PTFE	PTFE-PHB PTFE	PTFE-PHB PTFE	PTFE-PHB PTFE
Cover	304/316/316L (Stainless Steel) ASTM A351 CF8/CF8M/CF3M	304/316/316L (Stainless Steel) ASTM A351 CF8/CF8M/CF3M	Alloy 20 ASTM A351 Grade Cn7M	Monel ASTM A351 M35-1	Hastelloy C ASTM A494 Hastelloy C-22/C-276	Duplex Stainless Steel ASTM A995 CD4MCu
Bolts/Nuts	35CrMo Nitride Surfaced	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel



Note:The data represented in this brochure is for your information only. Consult WL representatives or technical engineer for the specific requirements, material and actuator selection for your intended application. The right to change or modify product design or product without prior notice is reserved.

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