



General Suppliers

Plug Valve

PN16

MV90-211

Installation & Maintenance Instructions

Plug Valve

INSTALLATION,

OPERATION

AND

MAINTENANCE MANUAL



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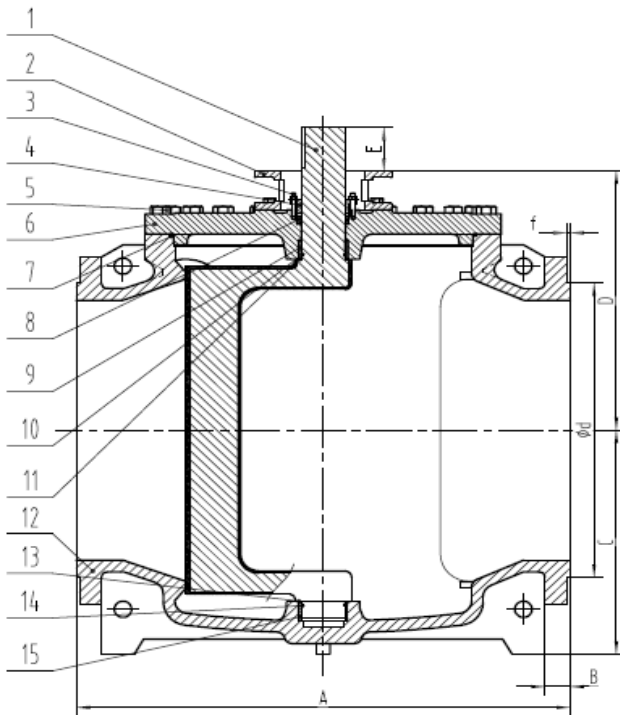
Installation & Maintenance Instructions

FEATURE

The MV90-211 plug valve has below advantages:

- ◆ Eccentric seal design;
- ◆ Full vulcanized rubber plug;
- ◆ Rectangular direct flow pass;
- ◆ Light and compact structure;

TECHNICAL DIMENSIONS:



Design Standard: AWWA C517
Pressure rate: PN16
Flanged Drilled: BS EN1092-2 PN16
Working temperature: -20°C~120°C;
Shell Test: 2.4MPa;
Seal Test: 1.76MPa;
Application: W.O.G.

NO.	Name	Materials	NO.	Name	Material
1	Plug	DI+EPDM	9	Upper Sleeve Bearing	SS316
2	Adaptor	DI	12	Body	DI
3	Gland Fastener	SS304	13	Thrust Washer	PTFE
5	Bolts	SS304	14	Grit Seal	NBR
7/8	V-packing/O ring	NBR	15	Sleeve Bearing	SS316



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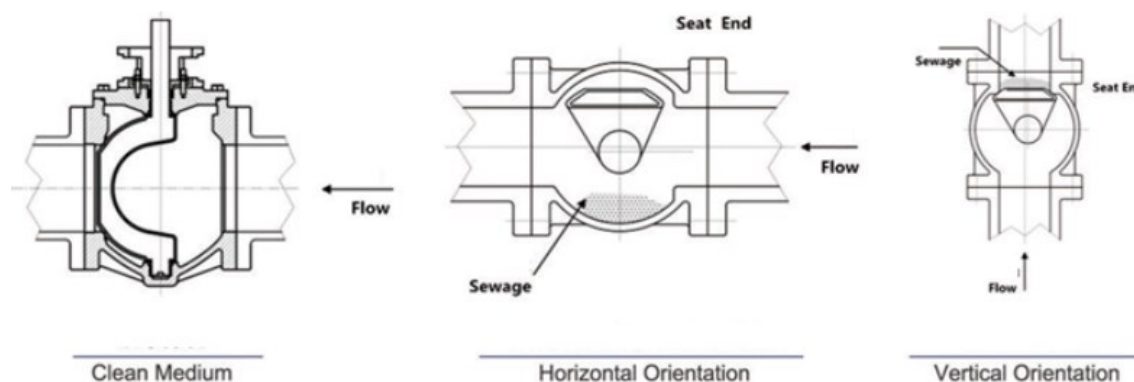
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INSTALLATION

1. Plug valve is suitable for both horizontal flow and vertical flow.
 - a. In horizontal flow pipeline, if the medium is clean water, install plug valve according to the arrow on the body, Seat is at the discharge end; if the medium is sewage water or others medium with solid particles, it prefer to install plug valve with the plug on upside in fully open position.
 - b. In vertical flow pipeline, install plug valve according to the arrow on the body;

Installation layout:



MAINTENANCE

1. Once installed, valves are generally ready for long-term use without additional maintenance, but valves and piping should be checked regularly.
2. If the system is corroded, check the valve shell for corrosion. If the effective thickness of the shell is corroded away by more than 10%, the valve must be replaced.

STORAGE, PACKING&TRANSPORTAION

1. Valves should be packed in a strong transport case with waterproof facilities to prevent bumping during transport. Both ends of the valve should have a protective cover preventing dust. Check valve should be closed during storage and transportation.
2. If not used for a long time, the valve should be stored in a cool and dry place.