



POWHATAN Model 202 CHECK VALVES

NNI

DATA SHEET #PHF550

General

The "Powhatan" Model 202 Groove / Groove Swing Check Valves are designed for use in piping systems where it is necessary to permit flow in one direction and prevent flow in the opposite direction. Typical applications are in fire department connections, gravity and pressure tank connections, and public water supplies to sprinkler and standpipe systems.

- € Model 202 Swing Check Valve - Groove / Groove - for Horizontal and Vertical Installation. Part No. 1846000005
- € 4" (101.6 mm) Valve.
- € Groove Inlet & Outlet (per ANSI / AWWA C606) - 300 psi WWP (2068.4 kPa or 20.7 bars).
- € Adapters available for threaded connections.
- € UL Listed - FM Approved.

Description / Operation

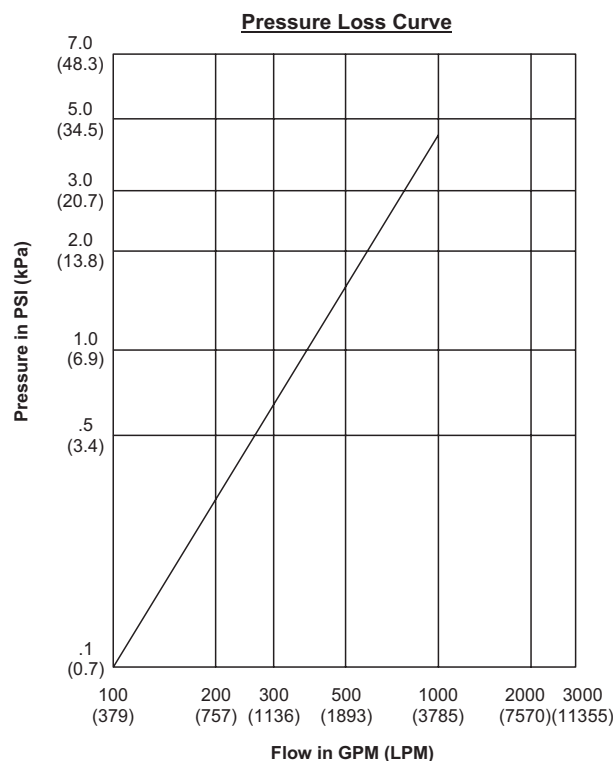
The Model 202 Swing Check Valve is made in 4" pipe size for both horizontal and vertical installation. The brass valve body has a boss above the clapper which may be tapped for the addition of a ½" NPT drain. The Valve comes with a ½" NPT tapped boss below the clapper.

A rubber faced, stainless steel clapper provides positive closing against an integral seat ring. Water moves through the valve in one direction only. When water pressure is applied to the inlet of the valve, it overcomes the pressure and forces the clapper open, allowing water to pass through. When the flow stops, the clapper closes immediately, thereby preventing the reverse flow.

Periodic inspections of the valve will ensure proper operation and trouble free service.

Pressure Loss

For use in hydraulic calculations, the pressure loss through the check valve may be expressed as equivalent feet of pipe: 4" Valve = 17 ft.



CHECK VALVES

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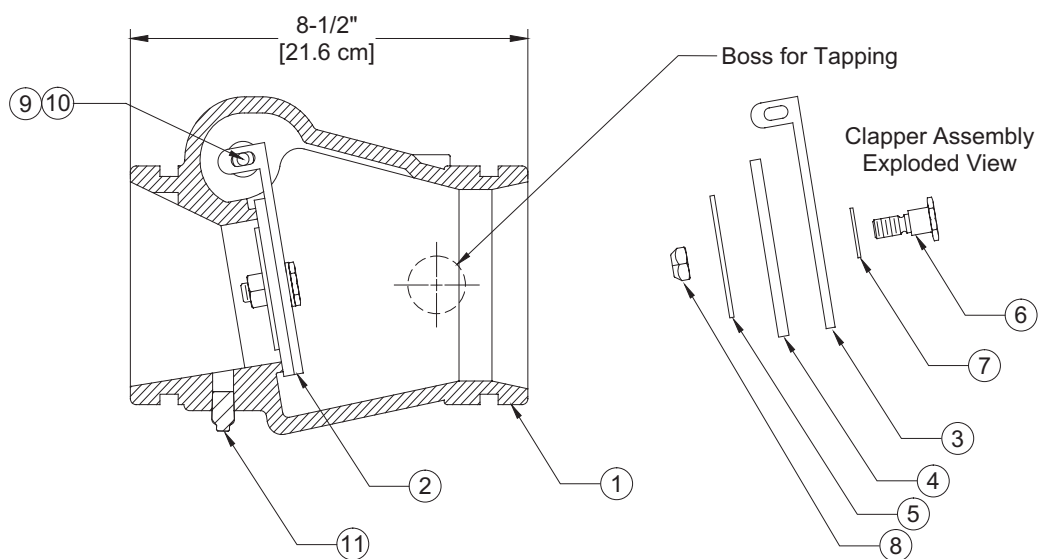
UL/FM Grooved Check Valves

Ordering Information

The "Powhatan" Model 202 Groove / Groove Swing Check Valves does not include grooved couplings. They must be provided separately.

To order valve, specify: _____ (qty) 4" Model 202 Swing Check Valve Part No. 1846000005.

Threaded inlets and outlets can be obtained through the use of the 4" Groove x 4" NPT adapters P/N 1414601071.



Parts List

"Powhatan" Model 202 Swing Check Valve Assembly - Groove / Groove

Item No.	Part Name	Material	Symbol No.	Part Number
1	Body	Cast Brass/ Alloy C84400	202-101	4346000007
2	Clapper Subassembly	-	S202-102	8202102
3	Clapper	Stainless Steel	202-102	1202102
4	Clapper Facing	Rubber - EPDM	202-104	1202104
5	Clapper Retaining Plate	Phosphorus Bronze Alloy	46-018-00020	4601800020
6	Shoulder Bolt	Brass / Alloy C36000	102-103	8102103
7	Shoulder Bolt Gasket	Stainless / Rubber	13-230	1602131
8	Self-Locking Nut - 3/8"-16	Stainless Steel	-	1601381
9	Clapper Hinge Pin	Stainless Steel	202-106	8202106
10	1/4" Pipe Plug	Brass	-	2096102
11	1/2" Pipe Plug	Brass	-	2096103