



Z-Tide Valves

FULL OPEN STYLE SILENT CHECK VALVE

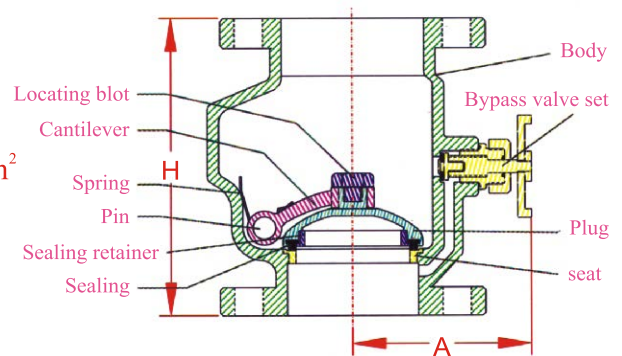
The silent check valve is applied on lift pipe or fluid pipe with pressure. The valve gate, with restoring force, will be closed at suitable speed when pump is shut down to separate the collision and noise between the inertia fluid (positive pressure) and the back flow (negative pressure) caused by power off.

The silent check valve plays an important role on piping, especially applied on the outlet of the pump. The silent check valve applied on the outlet of the pump should be selected carefully, and it must be able to resist the highest pressure, the largest water hammer effect and the biggest fluid impact. If the silent check valve is not good enough, when silent check valve is damaged, it will cause the fluid flowing back and losing pressure or, more serious, the damaged parts will fall on the blades and damage the pump seriously and, hence, loses more money.

To avoid the defects mentioned above, our company manufacture a more practical and economical model, called "**FULL OPEN STYLE SILENT CHECK VALVE**"

Features:

- ▶ The design of the valve is full flow lift type and water flow does not directly push the valve gate. Hence, the valve can work for a long time and have huge flow rate.
- ▶ The design of plug is hang type and automatically locating. It can adjust the close position of the plug no matter high or low pressure.
- ▶ The design of sealing is "U" and it is suitable for high and/or low pressure condition. And the tightness of the valve gate is best.
- ▶ The design of plug is semi-round and can resist higher pressure.
- ▶ When the pressure is high, plug and seat work together to prevent the sealing from being pushed by the high pressure to lengthen the longevity of sealing.
- ▶ Test pressure : Stainless Steel : 35 kgf/cm² ;
Ductile Iron : 35 kgf/cm² ; Cast Iron : 21 kgf/cm²
- ▶ Maximum applied pressure : Stainless Steel : 20 kgf/cm² ;
Ductile Iron : 20 kgf/cm² ; Cast Iron : 16 kgf/cm²
- ▶ Applied temperature : -15~80°C
- ▶ Vertical and horizontal installation is acceptable.



Item No	Size	Connection type	H(mm)	A(mm)	Weight (kg)
CHF-50	2"	Flange	183	122	9
CHF-65	2.5"	Flange	200	132	12
CHF-80	3"	Flange	210	147	14
CHF-100	4"	Flange	220	160	16
CHF-125	5"	Flange	260	180	27
CHF-150	6"	Flange	280	200	32
CHF-200	8"	Flange	370	Upon request	61
CHF-250	10"	Flange	450	Upon request	117
CHF-300	12"	Flange	520	Upon request	138

Part Name	Material	
Body	Cast Iron	Stainless Steel
Bypass valve set	Brass	Stainless Steel
Plug	Brass	Stainless Steel
Seat	Brass	Stainless Steel
Locating bolt	Brass	Stainless Steel
Cantilever	Brass	Stainless Steel
Spring	Stainless Steel	Stainless Steel
Pin	Brass	Stainless Steel
Sealing retainer	Brass	Stainless Steel
Sealing	NBR	NBR

©The bypass valve set won't be attached if the diameter is larger than 6 inches.