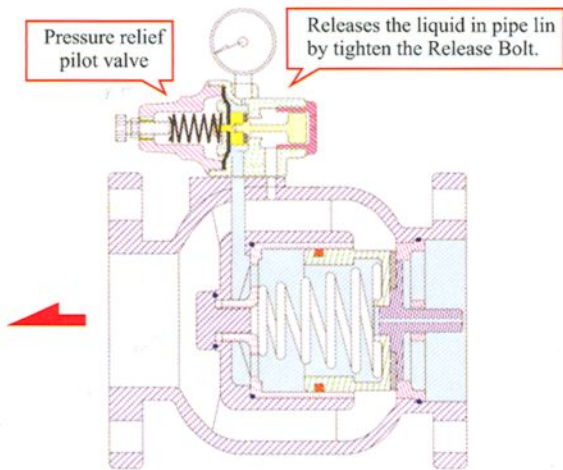




PRESSURE RELIEF VALVE

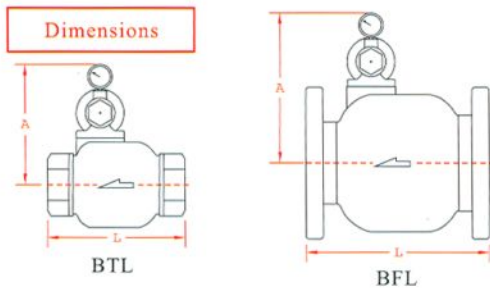


- ▶ Pressure relief valve is installed on the outlet pipe of water supply pipeline. It can maintain safe water supply pressure inside the pipe and prevent pipeline and equipment damage caused by accidental escalation of water pressure.
- ▶ When water pump stops functioning or pipeline gate suddenly closes, abnormal pressure forms inside the pipe. As the pressure gets over a certain safety limit, pressure relief valve can open automatically and releases the water pressure above the safety limit, so as to ensure the safety of pipeline and equipment. When the pressure turns back within the safety limit, the pressure relief will close slowly.

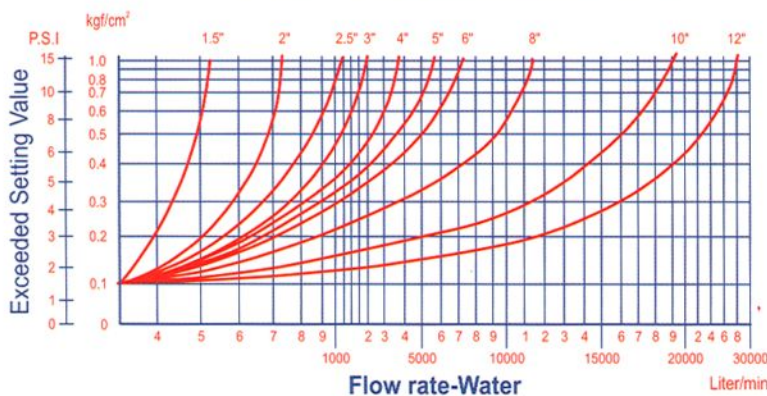


- ▶ Pressure Adjusting Range : 2 ~ 8 kgf/cm²
5 ~ 13 kgf/cm²
(1 kgf/cm² = 14.2 psi)

◎Special order can be arranged for higher pressure adjustment range.



Flow Chart of Pressure Relief Valve



(Thread end)

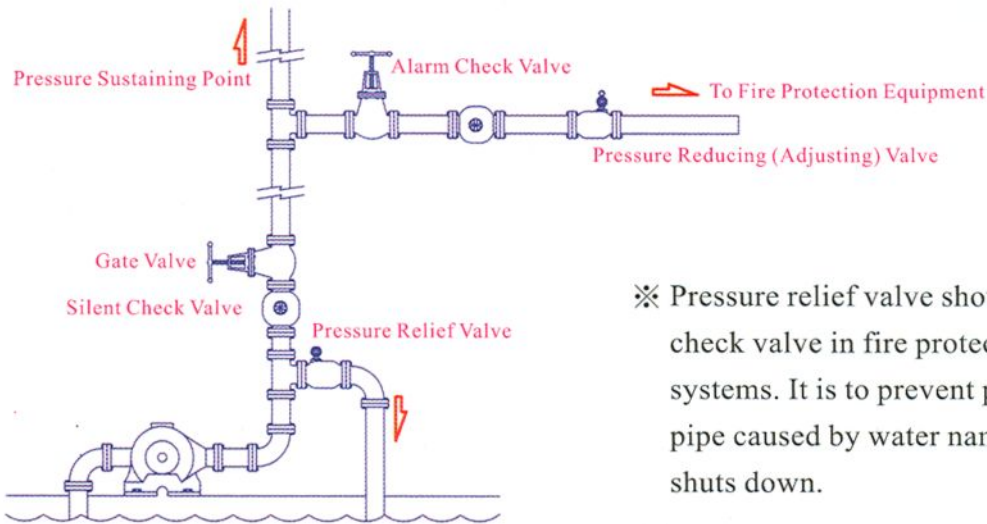
Item No	Size	L(mm)	A(mm)	Weight(kg)	CV
BTL-40	1.5"	120	160	3.5	48
BTL-50	2"	200	180	8	75
BTL-80	3"	235	200	13	140

(Flange end)

Item No	Size	L(mm)	A(mm)	Weight(kg)	CV
BFL-50	2"	190	180	12	75
BFL-65	2.5"	210	185	15	105
BFL-80	3"	225	200	18	140
BFL-100	4"	250	222	24	260
BFL-125	5"	280	235	32	390
BFL-150	6"	310	260	44	550
BFL-200	8"	420	300	87	1000
BFL-250	10"	470	335	152	1600
BFL-300	12"	530	370	202	2200
BFL-350	14"	600	415	285	3000

◎Special order is needed for size over 14" or particular fluid.

Pressure Relief Valve Installed in Fire Protection Pressure Sustaining System :



※ Pressure relief valve should be installed under check valve in fire protection or pressure sustaining systems. It is to prevent pressure drop inside the pipe caused by water hammer effect when pump shuts down.

Utilization State of Pressure Relief Valve

When water pressure inside the pipeline becomes greater than the specified outlet pressure, the pressure relief pilot valve opens and simultaneously releases the pressure in the back pressure chamber. At this time, the main valve gate is pushed open and keeps the main valve in open state. When the pressure returns to the safety limit, the pilot valve closes simultaneously, and the back pressure chamber in main valve recovers pressure accumulation state, and main valve can be closed slowly. In this way the pressure inside the pipeline can be maintained:

No	Part Name	Material
1	Nut	Stainless Steel
2	Screw	Stainless Steel
3	Fastening nut	Stainless Steel
4	Spring housing	ABS Plastic
5	Spring	Stainless Steel
6	Diaphragm washer	Brass
7	Diaphragm	Nylon Fabric
8	Sealing spacer	NBR
9	Shaft	Brass
10	Body	Brass
11	Piston	Brass
12	Fastening bolt	Brass
13	O-ring	NBR

The specification table of controller

