



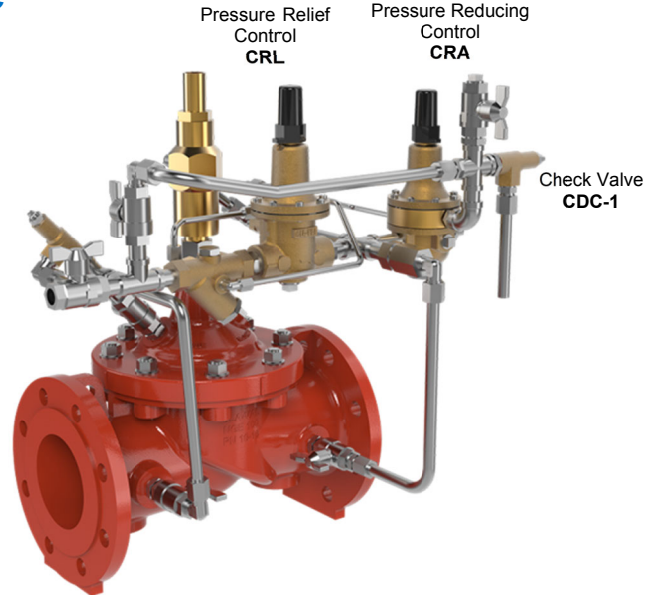
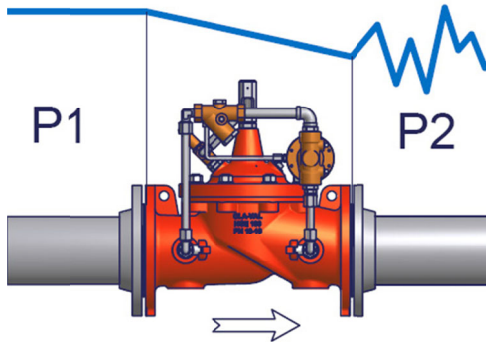
CLA-VAL 52-03R

Surge Anticipator and Pressure Relief Valve with Reverse Flow Control

Simple, Reliable and Accurate

- Completely Automatic Operation
- Easy Adjustment and Maintenance
- Quality Approved Materials
- World Wide Support

CLA-VAL SERIES 50 Main Function



The CLA-VAL SERIES 50 Sustaining Valve accurately maintains a minimum preset (Pressure Relief Control) inlet pressure regardless of changing flow rate. The CLA-VAL SERIES 50 Relief Valve opens fast to dissipate excess system pressure.

CLA-VAL 52-03R Typical Application

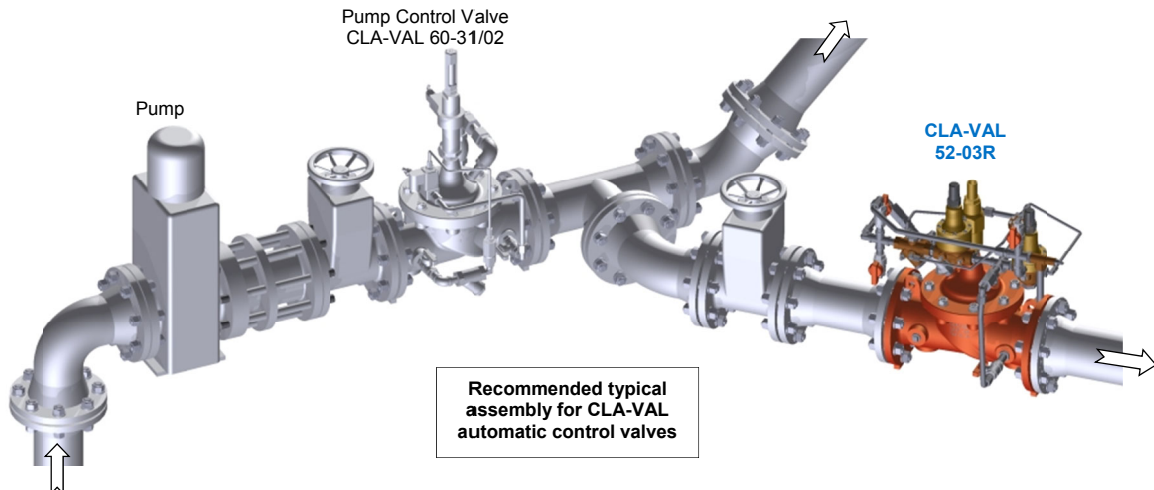
The CLA-VAL 52-03R is typically installed near the pump on a discharge line to a tank. When pumping systems are started and stopped gradually, harmful surges do not occur. However, should a power failure take place, the abrupt stopping of the pump can cause dangerous surges in the system which could result in severe equipment damage.

The CLA-VAL 52-03R anticipates the surge by opening on the low pressure wave in order to be fully open on the returning high wave diverting the excess pressure. The valve will let reverse flow pass through the valve if upstream pressure fall under atmospheric pressure.

Make your valve even Better!

| | |
|--------------|--|
| LFS Option? | <u>Control</u> low flows or night flows |
| KO Option? | <u>Extend</u> valve life with Anti-Cavitation trim |
| KG1 Option? | <u>Use</u> stem cleaning for harsh water |
| Maintenance? | <u>Check</u> on periodic maintenance |
| Environment? | <u>Adapt</u> to high temperatures or frost risk |
| Security? | <u>Add</u> hydraulic safety back-up to your valve |
| Protection? | <u>Remove</u> excessive system overpressures |
| Corrosion? | <u>Protect</u> your valve with upgraded materials |

Not just Products but Solutions: contact CLA-VAL!



Recommended typical assembly for CLA-VAL automatic control valves