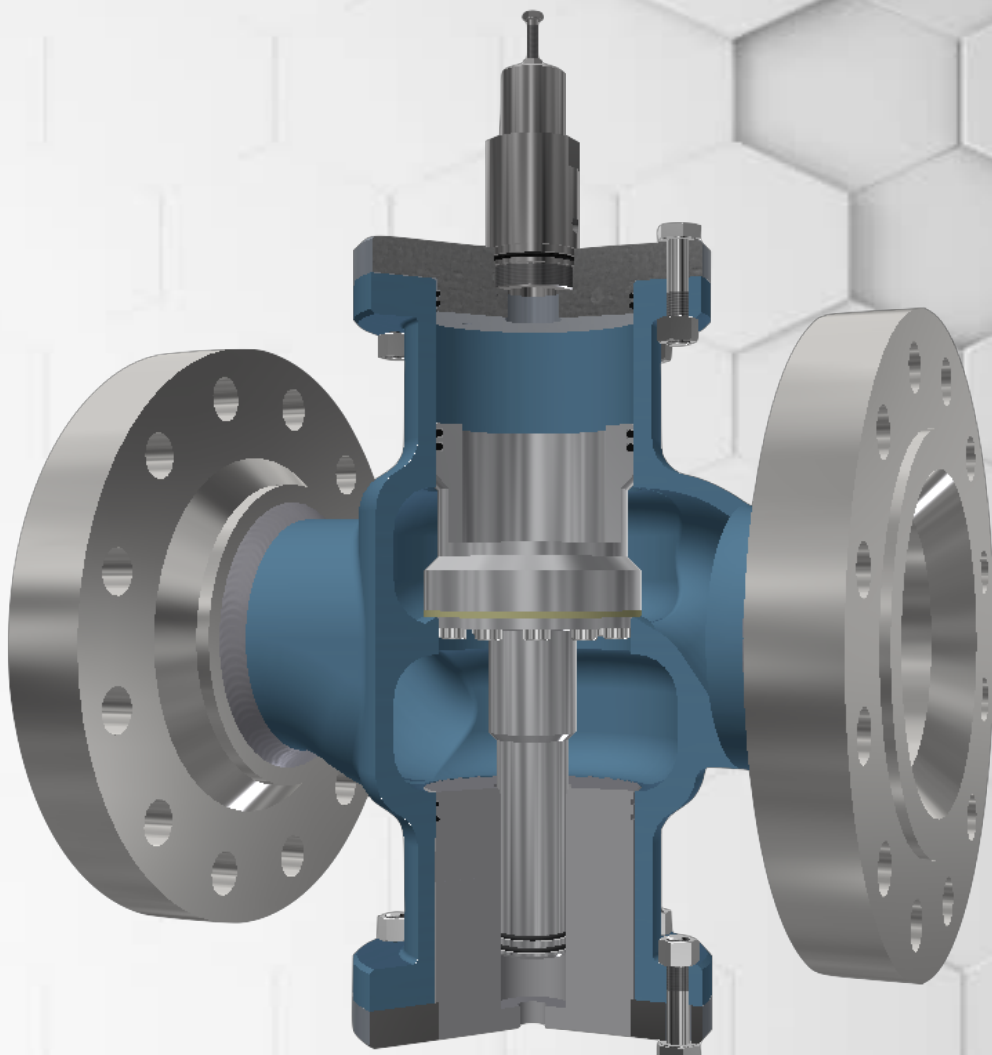# Hydrocore™ Symmetrical Pressure Sustaining Valve

Hydrocore™ Symmetrical Pressure Sustaining Valve

THE AREA-RATIO RELIEF VALVE

The Hydrocore™ symmetrical area-ratio pressure sustaining valve is a unique development as it enables the use of the valve in high pressure applications as well as low pressure applications, without changes to the valve.

PRINCIPLES OF OPERATION

The Hydrocore™ symmetrical area-ratio pressure sustaining valve prevents excessive pressure conditions by discharging fluid from a fluid transfer system into a reservoir or a drain. The valve is actuated with the Hydrocore line fluid actuator controller.
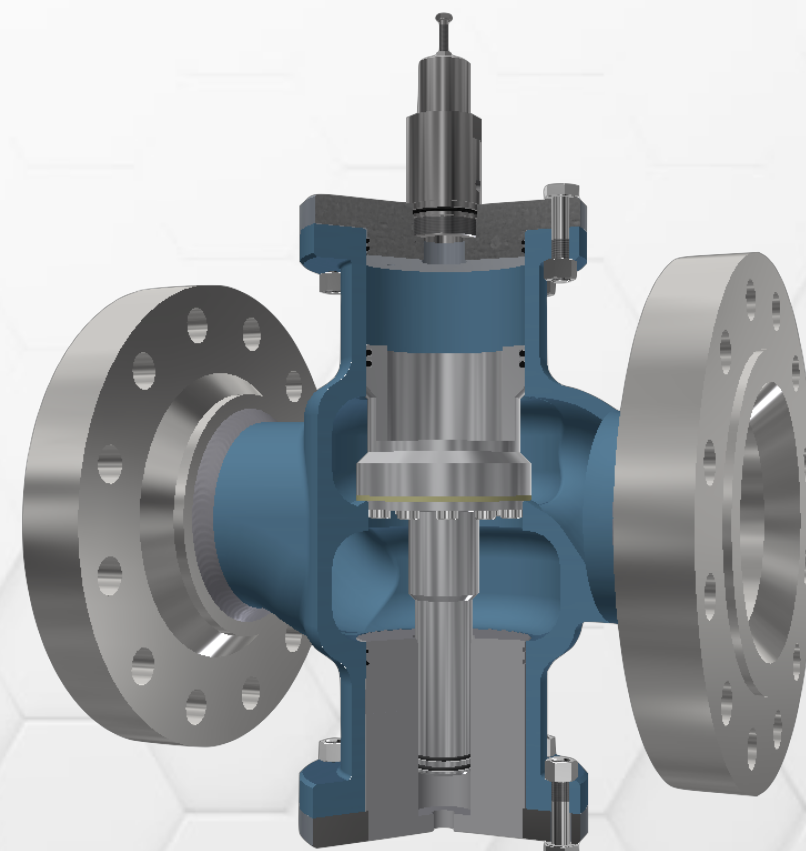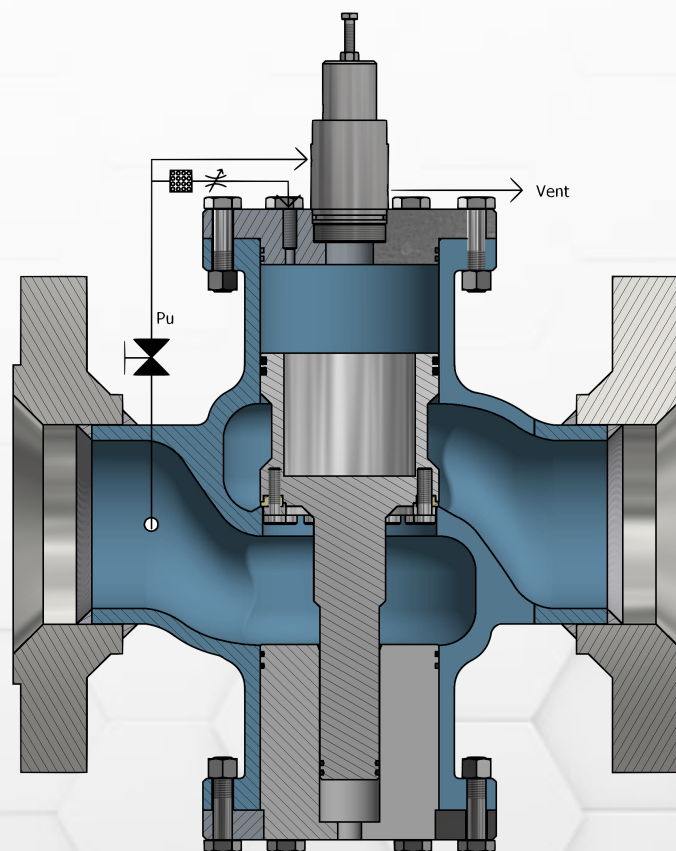
AREAS OF APPLICATION

The Hydrocore™ symmetrical area-ratio pressure sustaining valve prevents excessive pressure conditions in fluid transfer systems such as:
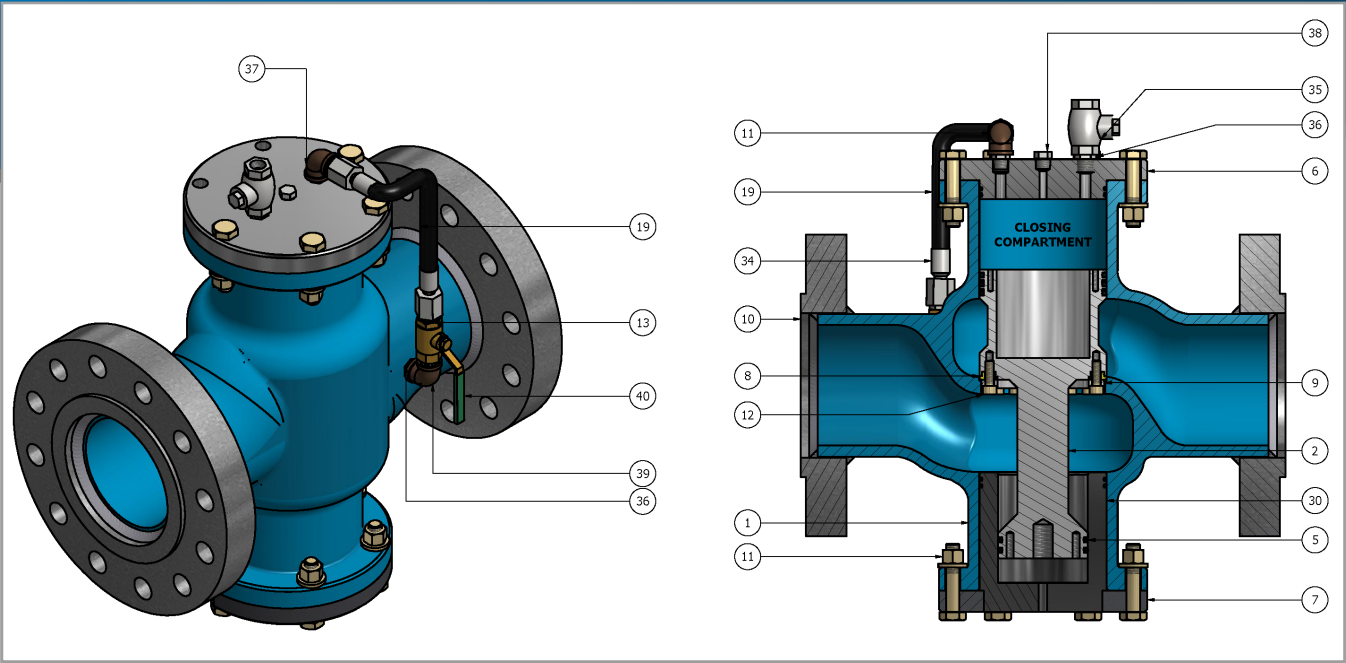
- Industrial Water Systems
- Municipal Water Supply Systems
- Pump Stations
- Mine Water Reticulation
- Petrochemical Plants

SET POINT ADJUSTMENT

The relief set point can be adjusted by changing the adjustable set point screw on the Hydrocore line fluid actuator

Vent

Pu

For more information please visit our website www.hydrocore.tech

Parts List

PART	DESCRIPTION	50NB ~ 100NB	150NB ~ 300NB	PART	DESCRIPTION	50NB ~ 100NB	150NB ~ 300NB
01	BODY CASTING	431SS	BS-3100 GRADE A2	30	SLEEVE	N/A	431SS
02	SHUTTLE	431SS	431SS	34	SWIVEL ADAPTER	STEEL	STEEL
05	SEAL	NITRILE	NITRILE	35	RELIEF VALVE	ADJUSTABLE RELIEF PRESSURE	ADJUSTABLE RELIEF PRESSURE
06	TOP COVER	LG-2*	EN-8	36	NIPPLE	STEEL	STEEL
07	BOTTOM COVER	EN-8	EN-8	37	ELBOW	CAST BRONZE	CAST BRONZE
08	SEAT	UHMPWE	UHMPWE	38	PLUG	WROUGHT STEEL	WROUGHT STEEL
09	SEAT HOLDER	431SS	431SS	39	ELBOW	STEEL	STEEL
10	FLANGE	ASTM A105	ASTM A105	40	BALL VALVE	STEEL	STEEL
11	BOLT SET	BOLT STEEL GRADE 8.8	BOLT STEEL GRADE 8.8	41	HOSE	SINGLE BRAIDED	SINGLE BRAIDED
12	CAP SCREWS	N/A	BOLT STEEL GRADE 12,9				