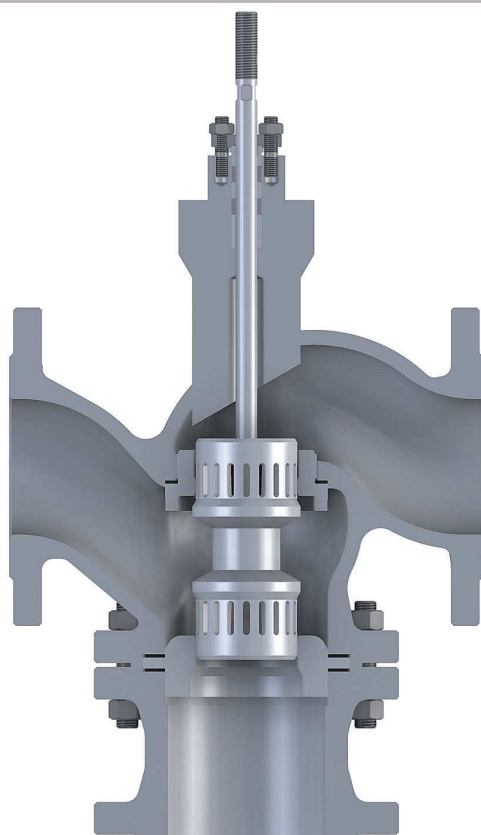


## HCVT1 Valve



### Application

Three-way valve of HCVT1 type has to work with low and medium erosive media only. It provides general converging (flow-mixing) or diverging (flow-splitting) service. HCVT valve also applies to flow adjustment of any liquid, as well as steam and any other gas when rather small or moderate pressure drops appear. Continuous heavy cavitation, flashing, or throttled flow call for external protection, such as an orifice or diffuser.

### Description

The body of three-way HCVT1 valve has two seats: upper (of screw in type) and lower (squeezed by the valve's body and pipe and sealed with graphite spiral wound gaskets). Flow-mixing or flow-splitting service is possible thanks to plug perforated on both sides, traveling between seats. Inlet and outlet connection pipe have clearly marked direction of flow.

### Technical data

Nominal diameter		DN50÷DN300			
Nominal pressure		PN10÷PN400			
Connections		bolted flanges; welding ready			
Flow coefficient Kvs		10÷1000 m³/h			
Body	1.0460 (P250GH)	1.5419 (G20Mo5)	1.4308 (GX5CrNi19-10)	1.4903 (X10CrMoVNb9-1)	
	1.0619 (GP240GH)	1.7357 (G17CrMo5-5)	1.4408 (GX5CrNiMo19-11-2)		1.4901 (X10CrWMoVNb9-2)
	1.5415 (16Mo3)	1.4541 (X6CrNiTi18-10)	1.7380 (10CrMo9-10)		1.7379 (G17CrMo9-10)
	1.7335 (13CrMo4-5)	1.4404 (X2CrNiMo17-12-2)	1.7715 (14MoV6-3)		1.6368 (15NiCuMoNb5-6-4)
Plug	1.4541(X6CrNiTi18-10)	1.4057(X17CrNi16-2)	1.4125 (X105CrMo17)		titanium BT-9
Seat	1.4541(X6CrNiTi18-10)	1.4057(X17CrNi16-2)	1.4125 (X105CrMo17)		titanium BT-9
Stem	1.4057 (X17CrNi16-2)	1.4923 (X22CrMoV12-2)			
Cage	1.4057 (X17CrNi16-2)				
Hardening of the inner parts		stellite; nitriding; hardening			
Rangeability		50:1			
Leakage class		metal/metal sealing—IV (standard); V (improved); soft sealing (NBR or PTFE)—VI (special)			
Body's gland		spiral, metal+graphite			
Seal bushing		graphite; PTFE			



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