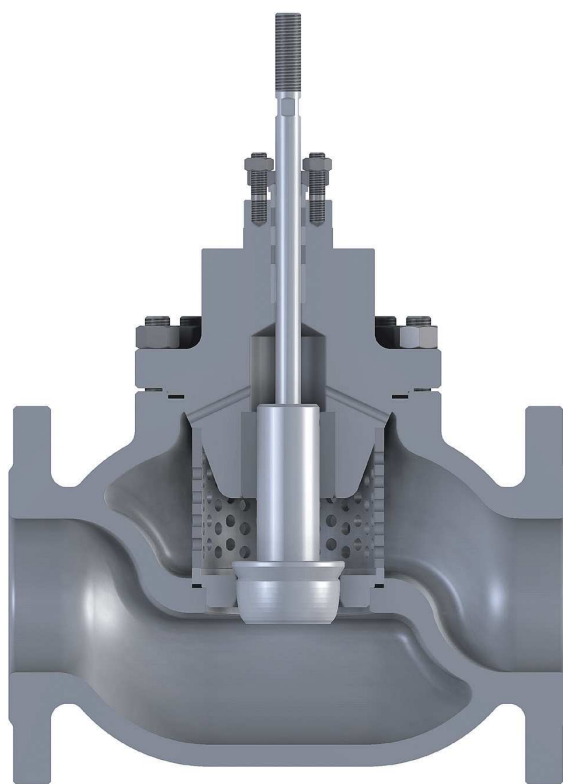


## HCVA2 Valve



### Application

Regulatory valve of HCVA2 type is ready to perform with heavy erosive media. It is suitable to control the highly demanding parameters, also during infinite critical conditions. HCVA2 valve perfectly suits the demands of an environment with partial cavitation (e.g. injection valve), with flashing (e.g. control of a condensate level in regenerative exchanger). It also can be used as reducing valve for steam when rather small or moderate pressure drops appear (e.g. steam reducing pressure in blowers).

### Description

HCVA2 is straightway valve. Basically, it consists of body topped by the bonnet, of a plug with a stem driven through guide bushing, and of the seat fixed by throttling cage. Both the bonnet and the seat are sealed with graphite spiral wound gaskets (placed in channel). Thus, disassembly and assembly of the valve are easy and do not require any special tools. Two-step expansion of the medium appears. Firstly in plug and seat kit, next by wire drawing in the throttling cage. There are two types of plug available: profiled or perforated. HCVA2 valve works with media flow directed under or over the plug.

### Technical data

Nominal diameter		DN15÷DN300		
Nominal pressure		PN10÷PN400		
Connections		bolted flanges; welding ready		
Flow coefficient Kvs		0,1÷1300 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)		
Body's gland		spiral, metal+graphite		
Seal bushing		graphite; PTFE		



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