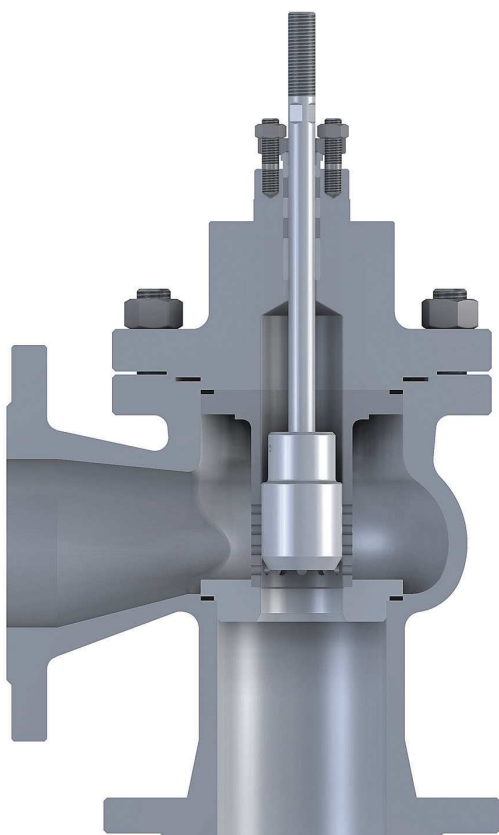


## HCVK5 Valve



### Application

Regulatory valve of HCVK5 type is ready to perform with heavy erosive media. It is suitable to control the highly demanding parameters, also during infinite critical conditions. High coefficient of the pressure recycling is the advantage of this valve. It perfectly fits if the reduction of noise and/or cavitation are of extreme importance.

### Description

HCVK5 valve has an angular casted body topped by the bonnet. The slip-in seat is fixed by cage which drives a main plug. Both bonnet and seat, as well as cage, are sealed with graphite spiral wound gaskets (placed in channels). Thus, disassembly and assembly of the valve are easy and do not require any special tools. A medium may undergo a single-stage expansion (when valve plug is perforated or of piston-type) or two-step expansion (when perforated plug is employed). If piston-type plug opens the vents of active cage, the single-stage expansion occurs. The same appears if only perforation of the plug is responsible for pressure reduction. When passive cage is also employed, the two-step expansion occurs. HCVK5 may have seal balanced plug. This version permits choosing a smaller actuator and valve itself still resides in class IV leakage allowable. HCVK5 valve works with media flow directed over or under the plug.

### Technical data

Nominal diameter		DN80÷DN250			
Nominal pressure		PN10÷PN40			
Connections		bolted flanges; welding ready			
Flow coefficient Kvs		25÷800 m³/h			
Body	1.0619 (GP240GH) 1.5419 (G20Mo5)	1.7357 (G17CrMo5-5) 1.4308 (GX5CrNi19-10)	1.4408 (GX5CrNiMo19-11-2)	1.7379 (G17CrMo9-10)	
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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