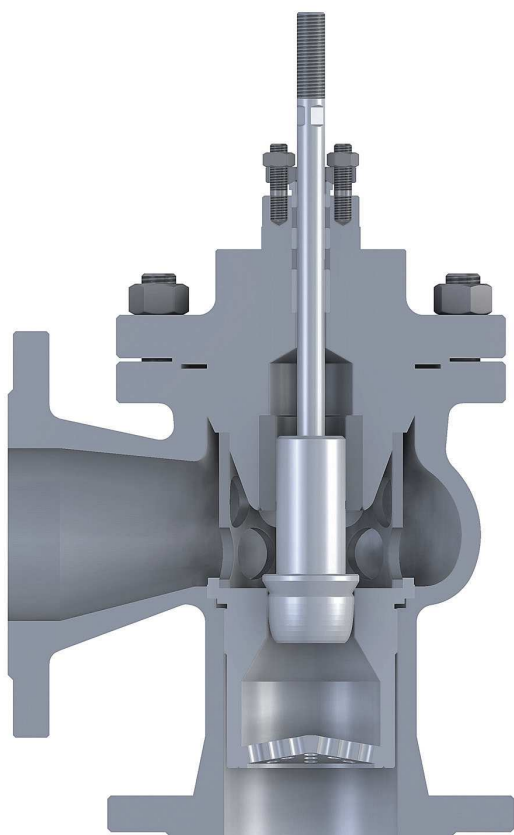


HCVK7 Valve



Application

Regulatory valve of HCVK7 type is ready to perform with heavy erosive media. It is suitable to control the highly demanding parameters, also during infinite critical conditions. Their performance suits flashing environs and high pressure drops.

Description

HCVK7 valve is an angular one. Basically, it consists of casted body topped by the bonnet, of a plug with a stem driven through guide bushing, and of the slip-in seat with anti-flashing bushing fixed by construction cage. Both bonnet and seat 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. Liquid medium goes over the plug, then evaporates in anti-flashing bushing vents. Thanks to dispersion of kinetic energy of the water-steam mixture the valve's body does not undergo the substantial erosion. The bushing's lenticular outlet helps to combat the pipe-line's erosion behind the valve. There are two types of plug available: profiled or perforated. HCVK7 valve works with media flow directed over 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)			
Body's gland		spiral, metal+graphite			
Seal bushing		graphite; PTFE			

INTEC

Industrial Automatics Enterprise INTEC Ltd. Co.
ul. Bacłareckiego 54, 51-649 Wrocław, Poland
tel./fax: +48 71 348 18 18, e-mail: biuro@intec.com.pl
www.intec.com.pl

WK[®]

WAKMET Industrial Valves Factory Ultd.
Bodzanów 75, 48-340 Gliucholazy 1, Poland
tel./fax: +48 77 439 40 20, e-mail: wakmet@wakmet.com.pl
www.wakmet.com.pl