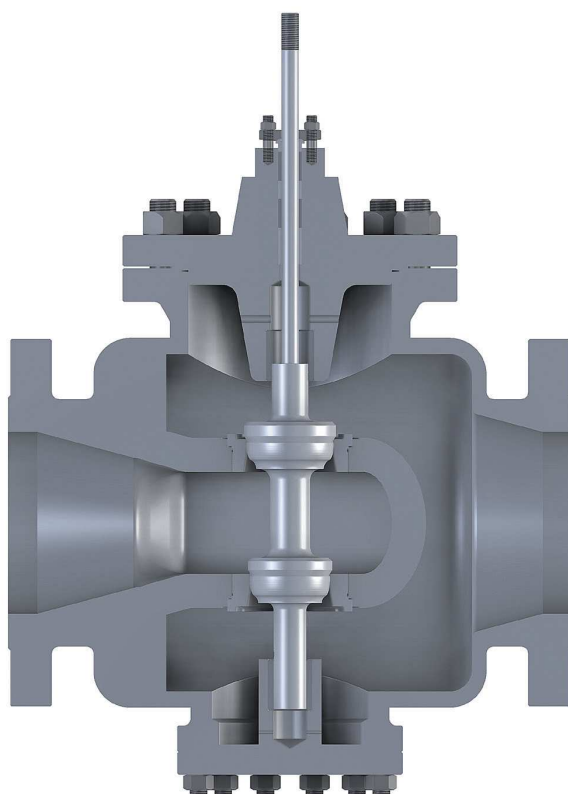


## HCVC1 Valve



### Application

Regulatory valve of HCVC1 type has to work with low and medium erosive media only. It is suitable to control any liquid, as well as steam if rather small and/or moderate pressure drops appear. It is also appropriate when reduction of actuator's power is of importance. Continuous heavy cavitation, flashing, or throttled flow call for external protection, such as an orifice or diffuser.

### Description

HCVC1 is double seat valve. Basically, it consists of body topped from both sides by the bonnets and sealed with graphite spiral wound gaskets (placed in channels). Inside there are two screwed in seats and a tandem plug. The input medium is divided into two streams. Each one undergoes single-stage expansion. Next, before the valve's outlet, both streams join together. Thus, thanks to reduced dynamic forces acting on plug HCVC1 might permit choosing a smaller actuator.

### Technical data

Nominal diameter		DN50÷DN300		
Nominal pressure		PN10÷PN160		
Connections		bolted flanges; welding ready		
Flow coefficient Kvs		16÷1400 m³/h		
Body	1.0460 (P250GH)	1.4541 (X6CrNiTi18-10)	1.7715 (14MoV6-3)	1.6368 (15NiCuMoNb5-6-4)
	1.5415 (16Mo3)	1.4404 (X2CrNiMo17-12-2)	1.4903 (X10CrMoVNb9-1)	
	1.7335 (13CrMo4-5)	1.7380 (10CrMo9-10)	1.4901 (X10CrWMoVNb9-2)	
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		II, metal/metal sealing		
Body's gland		spiral, metal+graphite		
Seal bushing		graphite; PTFE		



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



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