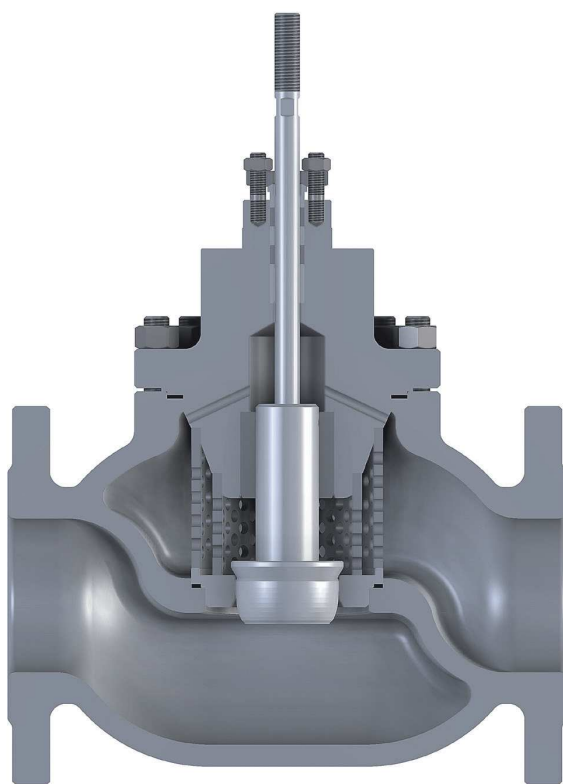


HCVA3 Valve



Application

Regulatory valve of HCVA3 type is ready to perform with heavy erosive media. It is suitable to control the highly demanding parameters, also during infinite critical conditions. HCVA3 valve is used as reducing one for steam when rather small or moderate pressure drops appear (e.g. steam reducing pressure in blowers).

Description

HCVA3 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 two throttling cages. 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. Three-step expansion of the medium appears. First in plug and seat kit. Next two stages are performed in throttling cages. There are two types of plug available: profiled or perforated. HCVA3 valve works with media flow directed under the plug.

Technical data

Nominal diameter	DN15÷DN300			
Nominal pressure	PN10÷PN400			
Connections	bolted flanges; welding ready			
Flow coefficient Kvs	0,1÷1300 m ³ /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)		
Cages	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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