

## Positive Choke [VPC]

Standard: API 6A

DN 50 (2 1/16)

Working pressure 2000 ÷ 5000 psi

### Applications

- Positive Choke is intended for flowing fluid control. The use of this valve makes possible efficient and simple control of fluid flow line without unnecessary erosion and damage caused by turbulence in the flowing system. Flowing area is changeable by the different sizes of orifices.

### Materials

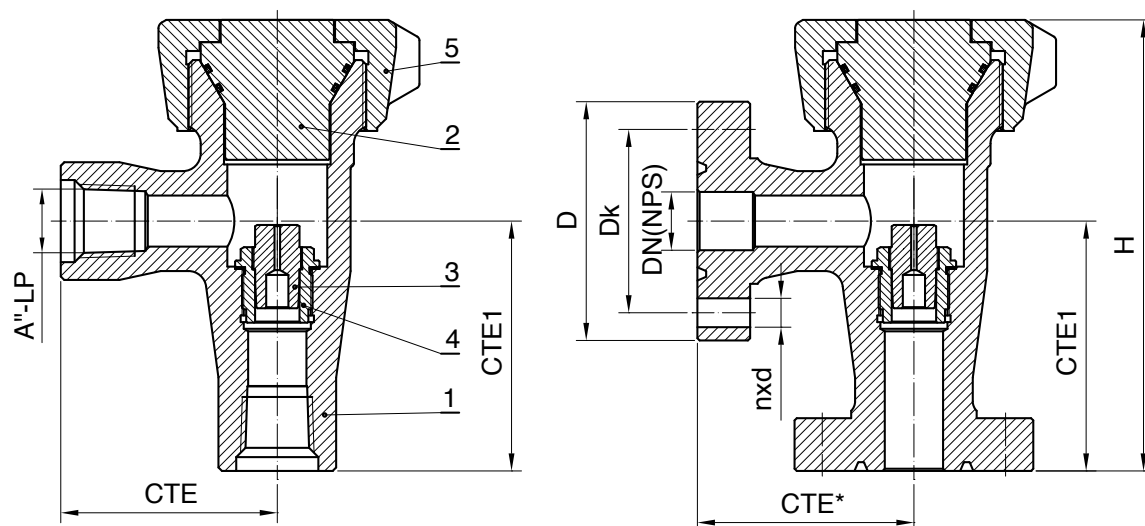
- Body, bonnet and bonnet nut are of alloyed Chromium-Molybdenum (Cr-Mo) steel or stainless steel. Orifice and body seat ring are made of stainless steel with a minimum of 13% Chromium. The Bonnet gasket is made of VITON.

### Production and delivery

- Positive Choke is designed and manufactured in accordance with API Spec. 6A, product specification level PSL 1 (PR 1). Dimensions of the flange connections are according with API Spec. 6A/type B Ring Joint, threaded ends according to API Std. 5B. Centre-To-Face and Centre-To-End dimensions are according to manufacturer standard. Quality control is according to API Spec. 6A.

### Instruction for Installation

- Before installation and first run, connecting pipeline should be thoroughly cleaned of foreign particles that may damage the seating surface.



Drawing A.9.1 Parts and dimensions

## List of materials

Table A.9.1

Item	Part	Material Class acc. to API 6A Spec.	
		AA,BB,DD <sup>a)</sup> ,EE <sup>a)</sup>	CC,FF <sup>a)</sup>
		Temperature class acc. to API 6A Spec.	
		K ÷ V (-60°C up to 121°C)	
1	Body	A487 4A	A217 CA 15
2	Bonnet	A487 4A	A217 CA 15
3	Orifice	A182 F6a-hardened	
4	Body Seat Ring	A182 F6a-hardened	
5	Bonnet Nut	A487 4A	A217 CA 15

a) In compliance with NACE MR 0175

## [VPC] Dimensions

Table A.9.2

2000 psi (140 bar)										
DN (NPS)	A	D	Dk	H	d	n	CTE/CTE*	CTE1	CTE*	CTE
		(mm)							(kg)	
50 (2 1/16). 2000 psi	2	165	127	386	20	8	180	205	47	39
3000/5000 psi (210 - 350 bar)										
50 (2 1/16). 3 / 5000 psi	2	215	165,1	406	26	8	195	225	71	51