

Cryogenic Pneumatic On-Off Valve

ST-205E Rev.0.1

VDFCA

Maximum Pressure
100 Barg

Temperature
-196/+100°C



The VDFCA pneumatic valves are globe shut-off valves with pneumatic control, air. OPEN (Normally CLOSED) or air CLOSED (normally OPEN).

They are suitable to be used with cryogenic fluids up to -196°C with the extended bonnet and self-adjusting graphite PTFE Stem packing (FIRE SAFE ISO 10497).

The body is globe straight pattern type and the actuator is a pneumatic piston with 6 barg max supply.

The valves are manufactured according to ASME B16.34 and comply with 97/23/EC (PED) Standards requirements.

Materials

Body	A351/CF3/CF8 CF8M
Extension	AISI 304
Seal	PTFE/PCTFE

Operating Conditions

MOP Max Op. Press. NP 100 Barg.
MOT Max Operative Temperature
-196/+100°C

Models/Connections

VDF-CA 6375 BW
VDF-CA 6376 SW
VDF-CA 6377 Female thread
VDF-CA 6378 Male thread
VDF-CA 6379 Flanged

Accessories

- Balanced Disc
- Limit Switch
- Solenoid valve

Applications

- Suitable for cryogenic fluids
- Liquid Oxygen -196°C
- Liquid Nitrogen -196°C
- Air
- LPG & LNG

Characteristics

- Globe valve
- Upper Guide
- Suitable for cryogenic fluids
- PTFE Soft Seat Class VI
- PT Disc
- Piston Pneumatic Actuator
- S10100, S10200
- Spring action N.C
- Spring Action N.O



- Max Supply 6 bar
- FIRE SAFE ISO 10497
- Flow to Closed.



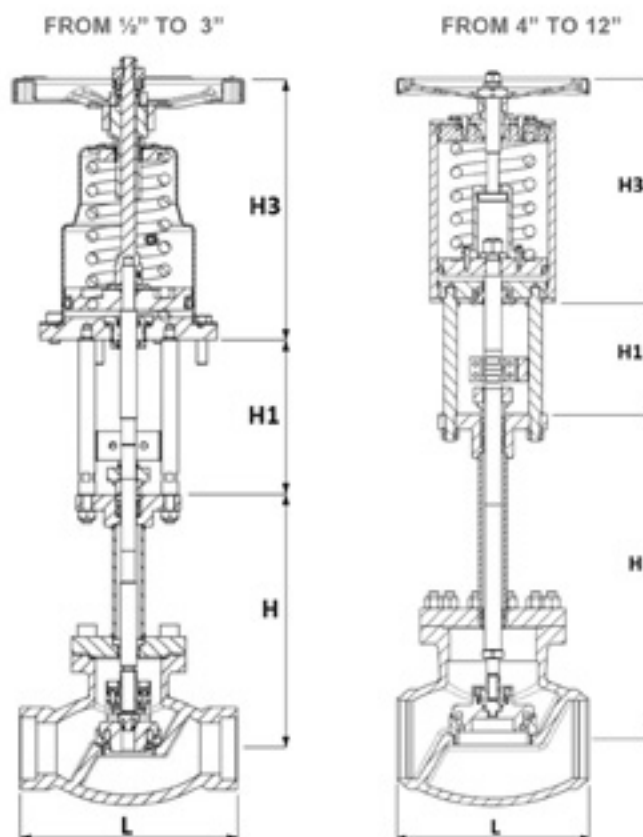
VDFCA - Cryogenic Pneumatic On-Off Valve

Differential Pressure (Barg)

Pneumatic Actuator
Normally Closed/Air Open

DN	INC.	S.10100	S.10200
		Supply 6 bar g	Supply 6 bar g
15	½" (*)	50	
20	¾" (*)	50	
25	1" (*)	50	
32	1 ¼" (**)	50	
40	1 ½" (**)	50	
50	2" (**)	50	
65	2 ½" (**)	50	
80	3" (**)	50	
100	4" (**)		50
150	6" (**)		50
200	8" (**)		50
250	10" (**)		50
*	UNBALANCED PLUG		
**	BALANCED PLUG		

Overall Dimensions



DN	INC.	L mm	H mm	H1 mm	H3 mm
15	½"	140	332	150	280
20	¾"	153	339	150	280
25	1"	165	348	150	280
32	1 ¼"	178	348	150	280
40	1 ½"	191	355	150	280
50	2"	216	397	150	280
65	2 ½"	241	440	150	280
80	3"	283	460	150	280
100	4"	305	471	300	600
150	6"	403	567	300	600
200	8"	502	650	300	600
250	10"	650	720	300	600

Certifications



GOST R N.9239



UNI EN ISO 9001:2008
ICIM Certificato N. 0075/5