

### TANK BLANKETING REGULATORS BKVi2 (Low pressure vent valve)

#### DESCRIPTION

Tank blanketing valves are commonly used in tank storage systems to prevent and protect against explosions (avoiding flammable liquids being vented from the vessel), to control product contamination against external air that may fill the vapour space, to reduce evaporation losses (consequently, production losses), to reduce internal corrosion (caused by air and moisture) and to prevent vacuum condition. The blanketing process consists in covering the stored medium, usually a liquid, with a gas (normally N2).

#### MAIN FEATURES

Compact design. Non-rising adjustment knob. FDA / USP Class VI compliant seals.

STANDARD SURFACE FINISH

Internal movable parts and machined surfaces:  $\leq 0.76 \ \mu m \ Ra - SF3$ . Other surfaces: as casted. Ultrasonic cleaning.

Leakage line connection.
Dome-loading.
Top cap (adjustment screw with cover).
Gauge connection on body.
External sensing line connection.
Blanketing with vacuum.
ATEX 🐼 version.

USE:	Air, nitrogen, argon and other gases compatible
	with the construction.

MODELS: BKVi2 – low pressure venting valve.

SIZES: 1/2" and 1"; DN 15 and DN 25.

REGULATING RANGES:

**AVAILABLE** 

ES: 5 to 10 mbar; 10 to 50 mbar; 20 to 200 mbar; 50 to 500 mbar; 5 to 4000 mbar (dome-loading).

CONNECTIONS: Flanged EN 1092-1 PN 16. Flanged ASME B16.5 Class 150.

INSTALLATION: Vertical installation recommended, to allow drainage, or horizontal as close to the process as possible in order to prevent long pipe sections and flow restrictions. See IMI – Installation and maintenance instructions.



CE MARKING (PED – Europ	
PN 16	Category
1/2" and 1" – DN 15 and 25	SEP

CE MARKING – (ATEX – Europ	ATEX VERSION bean Directive)
PN 16	Category
1/2" and 1" – DN 15 and 25	Ex h IIB T6T3 Gb

LIMITING CONDITIONS *	
Maximum allowable pressure	6 bar
Maximum upstream pressure **	500 mbar
Minimum upstream pressure	5 mbar
Maximum operating temperature	130 °C

\* Other limits on request. Maximum operating conditions may be limited by the valve end connections due to normative restrictions.

\*\* 4000 mbar with dome-loading.

Warning: Blanketing valves are no substitute for safety valves or vacuum relief valves.

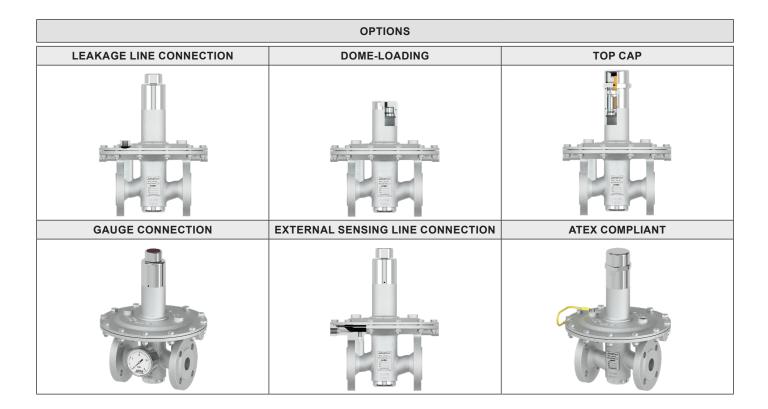
### VALSTEAM ADCA

We reserve the right to change the design and material of this product without notice





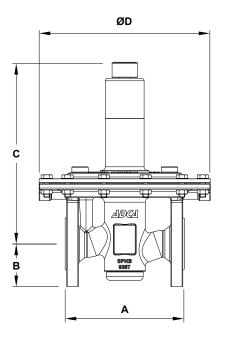
AIR CAPACITIES (Nm³/h) Seat Ø21 mm										
0175	SET	INLET PRESSURE (mbar)								
SIZE	PRESSURE	10	20	40	100	200	500			
	25% Overpressure	4,5	10,5	16	27	45	95			
	50% Overpressure	4,5	10,5	16	27	45	95			
1/2" – DN 15	75% Overpressure	4,5	10,5	16	27	45	95			
	100% Overpressure	4,5	10,5	16	27	45	95			
	25% Overpressure	5,3	11,8	18	31	52	105			
4" DN 25	50% Overpressure	7,2	14,5	26	40	66	125			
1" – DN 25 –	75% Overpressure	8,3	17	30	47	82	136			
	100% Overpressure	9,8	18	36	52	91	148			

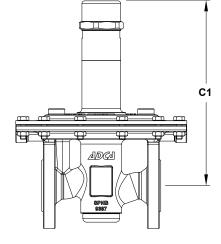


## VALSTEAM ADCA

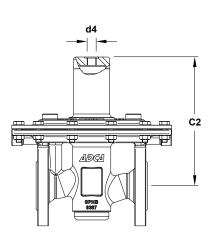




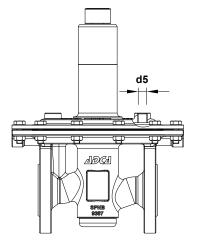




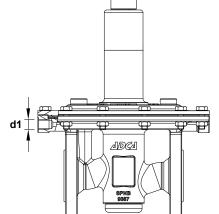
Optional top cap



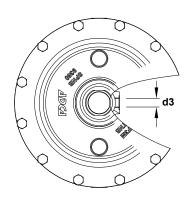
Optional dome-loading



Optional leakage line connection



Optional external sensing line connection



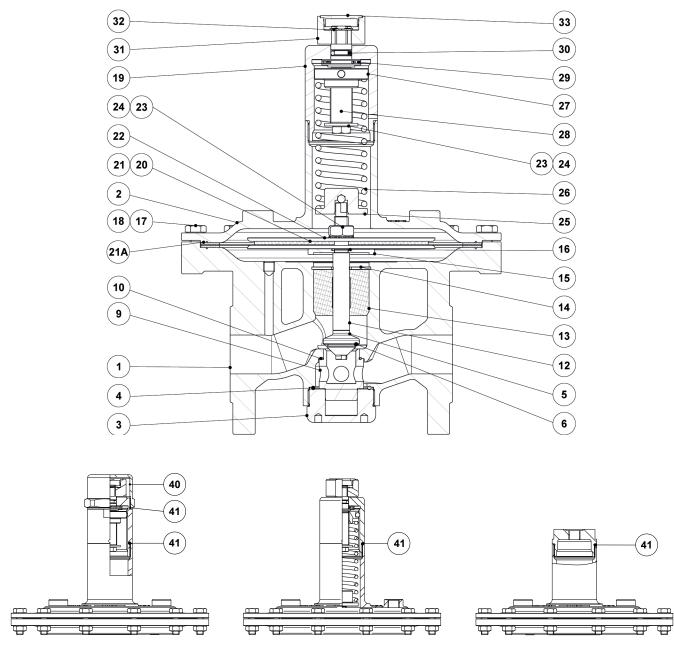
Optional gauge connection

					DIMENSION	NS (mm)					
SIZE	Α	В	с	C1	C2	ØD	d1	d3	d4	d5	WEIGHT (kg)
1/2" – DN 15	130	47,5	243,5	249	186	230	1/4"	1/4"	1/4"	1/4"	9,7
1" – DN 25	160	57,5	243,5	249	186	230	1/4"	1/4"	1/4"	1/4"	10,8

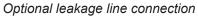
### VALSTEAM ADCA



#### MATERIALS



Optional top cap



Optional dome-loading

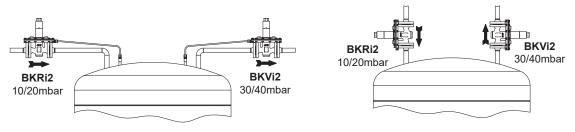


POS. N°DESIGNATIONMATERIAL1Valve bodyA351 CF3M / 1.44092CoverA351 CF3M / 1.44093Bottom coverA1SI 316L / 1.44044* O-ring**EPDM5*Plug discA1SI 316L / 1.44046*Valve seal**EPDM9* SeatA1SI 316L / 1.440410*O-ring**EPDM12StemA1SI 316L / 1.440413Stem guide**EPDM14Retaining ringStainless steel A2-7015Diaphragm support plateA1SI 316L / 1.440416*O-ring**EPDM17BottStainless steel A2-7018NutStainless steel A2-7019Spring coverA1SI 316L / 1.440420*Lower diaphragmPTFE (Gylon)21*Upper diaphragmEPDM22Diaphragm plateA1SI 316L / 1.440423NutStainless steel A2-7024*WasherStainless steel A2-7025Lower spring guideA1SI 316L / 1.440426*Adjustment springA1SI 316L / 1.440427Upper spring guideA1SI 316L / 1.440428Adjustment springA1SI 316L / 1.440429BearingCorrosion resistant steel20*O-ringNBR31Adjustment kobA1SI 316L / 1.440432Ext. bowed shaft ringStainless steel33Cover nutPlastic40Top capA1SI 316L / 1.4404		MATERIA	LS
2CoverA351 CF3M / 1.44093Bottom coverAISI 316L / 1.44044*O-ring**EPDM5*Plug discAISI 316L / 1.44046*Valve seal**EPDM9*SeatAISI 316L / 1.440410*O-ring**EPDM12StemAISI 316L / 1.440413Stem guide**EPDM14Retaining ringStainless steel A2-7015Diaphragm support plateAISI 316L / 1.440416*O-ring**EPDM17BoltStainless steel A2-7018NutStainless steel A2-7019Spring coverAISI 316L / 1.440420*Lower diaphragmPTFE (Gylon)21*Upper diaphragmEPDM22Diaphragm plateAISI 316L / 1.440423NutStainless steel A2-7024*WasherStainless steel A2-7025Lower spring guideAISI 316L / 1.440426*Adjustment springAISI 316L / 1.440427Upper spring guideAISI 316L / 1.440428Adjustment springAISI 316L / 1.440429BearingCorrosion resistant steel20*O-ringNBR31Adjustment knobAISI 316L / 1.440433Cover nutPlaslic40Top capAISI 316L / 1.4404	POS. Nº	DESIGNATION	MATERIAL
3   Bottom cover   AISI 316L / 1.4404     4   * O-ring   ** EPDM     5   ** Plug disc   AISI 316L / 1.4404     6   * Valve seal   ** EPDM; FPM     9   * Seat   AISI 316L / 1.4404     10   * O-ring   ** EPDM     12   Stem   AISI 316L / 1.4404     13   Stem guide   ** EPDM     14   Retaining ring   Stainless stel A2-70     15   Diaphragm support plate   AISI 316L / 1.4404     16   * O-ring   ** EPDM     17   Bolt   Stainless stel A2-70     18   Nut   Stainless stel A2-70     18   Nut   Stainless stel A2-70     18   Nut   Stainless stel A2-70     19   Spring cover   AISI 316L / 1.4404     20   *Lower diaphragm   EPDM     21   *Upper diaphragm   EPDM     22   Diaphragm plate   AISI 316L / 1.4404     23   Nut   Stainless steel A2-70     24   *Upper spring guide </th <th>1</th> <th>Valve body</th> <th>A351 CF3M / 1.4409</th>	1	Valve body	A351 CF3M / 1.4409
4*Oring** EPDM5**Plug discAISI 316L / 1.44046** Valve seal** EPDM; FPM9** SeatAISI 316L / 1.440410*Oring** EPDM12StemAISI 316L / 1.40413Stem guide** EPDM14Retaining ringStainless steel A2-7015Diaphragm support plateAISI 316L / 1.40416*Oring** EPDM17BoltStainless steel A2-7018NutStainless steel A2-7019Spring coverAISI 316L / 1.40420*Lower diaphragmPTFE (Sylon)21*Upper diaphragmEPDM22Diaphragm plateAISI 316L / 1.40423NutStainless steel A2-7024*WasherStainless steel A2-7025Lower spring guideAISI 316L / 1.40426*Adjustment springAISI 316L / 1.40427Upper spring guideAISI 316L / 1.40428Adjustment springAISI 316L / 1.40429BearingCorrosion resistant steel20*OringNBR31Adjustment knobAISI 316L / 1.40432Ext. bowed shaft ringSianless steel33Cover nutPlastic40Top capAISI 316L / 1.404	2	Cover	A351 CF3M / 1.4409
5* Plug discAISI 316L / 1.44046* Valve seal** EPDM; FPM9* SeatAISI 316L / 1.440410* O-ring** EPDM12StemAISI 316L / 1.440413Stem guide** PTFE14Retaining ringStainless steel A2-7015Diaphragm support plateAISI 316L / 1.440416* O-ring** EPDM17BoltStainless steel A2-7018NutStainless steel A2-7019Spring coverAISI 316L / 1.440420** Lower diaphragmPTFE (Gyton)21** Upper diaphragmEPDM21** Upper diaphragmEPDM22Diaphragm plateAISI 316L / 1.440423NutStainless steel A2-7024** Gasket** EPDM25Lower spring guideAISI 316L / 1.440426* Adjustment springAISI 316L / 1.440427Upper spring guideAISI 316L / 1.440428Adjustment springAISI 316L / 1.440429BearingCorrosion resistant steel20* O-ringMBR31Adjustment knobAISI 316L / 1.440432Ext owed shaft ringStainless steel A2-7033Cover nutPIRatic	3	Bottom cover	AISI 316L / 1.4404
6 * Valve seal ** EPDM; FPM   9 * Seat AISI 316L / 1.4404   10 * O-ring ** EPDM   12 Stem AISI 316L / 1.4404   13 Stem guide ** EPDM   14 Retaining ring Stainless steel A2-70   15 Diaphragm support plate AISI 316L / 1.4404   16 * O-ring ** EPDM   17 Bolt Stainless steel A2-70   18 Nut Stainless steel A2-70   19 Spring cover AISI 316L / 1.4404   20 * Lower diaphragm PTFE (Gylon)   21 * Upper diaphragm EPDM   22 Diaphragm plate AISI 316L / 1.4404   23 Nut Stainless steel A2-70   24 * Upper diaphragm EPDM   22 Diaphragm plate AISI 316L / 1.4404   23 Nut Stainless steel A2-70   24 * Washer Stainless steel A2-70   25 Lower spring guide AISI 316L / 1.4404   26 * Adjustment spring AISI 302 / 1.4300   27	4	* O-ring	** EPDM
9* SeatAISI 316L/1.440410* O-ring** EPDM12StemAISI 316L/1.440413Stem guide** PTFE14Retaining ringStainless steel A2-7015Diaphragm support plateAISI 316L/1.440416* O-ring** EPDM17BoltStainless steel A2-7018NutStainless steel A2-7019Spring coverAISI 316L/1.440420*Lower diaphragmPTFE (Gylon)21* Upper diaphragmEPDM22Diaphragm guideAISI 316L/1.440423NutStainless steel A2-7024* WasherStainless steel A2-7025Lower spring guideAISI 316L/1.440426* Adjustment springAISI 316L/1.440427Upper spring guideAISI 316L/1.440428Adjustment screwBrass29BearingCorrosion resistant steel20* O-ringNBR31Adjustment knobAISI 316L/1.440432Ext. bowed shaft ringStainless steel33Cover nutPlastic40Top capAISI 316L/1.4404	5	* Plug disc	AISI 316L / 1.4404
10* O-ring** EPDM12StemAISI 316L / 1.440413Stem guide** PTFE14Retaining ringStainless steel A2-7015Diaphragm support plateAISI 316L / 1.440416* O-ring** EPDM17BoltStainless steel A2-7018NutStainless steel A2-7019Spring coverAISI 316L / 1.440420* Lower diaphragmPTFE (Gylon)21* Upper diaphragmEPDM22Diaphragm plateAISI 316L / 1.440423NutStainless steel A2-7024* WasherStainless steel A2-7025Lower spring guideAISI 316L / 1.440426* Adjustment springAISI 302 / 1.430027Upper spring guideAISI 316L / 1.440428Adjustment springNISI 302 / 1.430027Upper spring guideAISI 316L / 1.440428Adjustment springNISI 316L / 1.440429BearingCorrosion resistant steel20* O-ringNBR31Adjustment knobAISI 316L / 1.440432Ext. bowed shaft ringStainless steel33Cover nutPlastic40Top capAISI 316L / 1.4404	6	* Valve seal	** EPDM; FPM
12StemAISI 316L/1.440413Stem guide** PTFE14Retaining ringStainless steel A2-7015Diaphragm support plateAISI 316L/1.440416* O-ring** EPDM17BoltStainless steel A2-7018NutStainless steel A2-7019Spring coverAISI 316L/1.440420* Lower diaphragmPTFE (Gylon)21* Upper diaphragmEPDM22Diaphragm plateAISI 316L/1.440423NutStainless steel A2-7024* Gasket** EPDM25Lower spring guideAISI 316L/1.440426* Adjustment springAISI 316L/1.440427Upper spring guideAISI 302/1.430027Upper spring guideAISI 302/1.430027Upper spring guideBrass29BearingCorrosion resistant steel20* O-ringNBR31Adjustment knobAISI 316L/1.440432Ext. bowed shaft ringStainless steel33Cover nutPlastic40Top capAISI 316L/1.4404	9	* Seat	AISI 316L / 1.4404
13Stem guide** PTFE14Retaining ringStainless steel A2-7015Diaphragm support plateAISI 316L / 1.440416* O-ring** EPDM17BoltStainless steel A2-7018NutStainless steel A2-7019Spring coverAISI 316L / 1.440420** Lower diaphragmPTFE (Gylon)21** Upper diaphragmEPDM21** Upper diaphragmEPDM22Diaphragm plateAISI 316L / 1.440423NutStainless steel A2-7024** WasherStainless steel A2-7025Lower spring guideAISI 316L / 1.440426* Adjustment springAISI 316L / 1.440427Upper spring guideAISI 316L / 1.440428Adjustment springBrass29BearingCorrosion resistant steel20* O-ringNBR31Adjustment knobAISI 316L / 1.440432Ext. bowed shaft ringStainless steel33Cover nutPlastic40Top capAISI 316L / 1.4404	10	* O-ring	** EPDM
14Retaining ringStainless steel A2-7015Diaphragm support plateAISI 316L / 1.440416* O-ring** EPDM17BoitStainless steel A2-7018NutStainless steel A2-7019Spring coverAISI 316L / 1.440420* Lower diaphragmPTFE (Gylon)21* Upper diaphragmEPDM22Diaphragm plateAISI 316L / 1.440423NutStainless steel A2-7024* WasherStainless steel A225Lower spring guideAISI 316L / 1.440426* Adjustment springAISI 316L / 1.440427Upper spring guideAISI 316L / 1.440428Adjustment springAISI 316L / 1.440429BearingCorrosion resistant steel20* O-ringNBR31Adjustment knobAISI 316L / 1.440432Ext. bowed shaft ringStainless steel33Cover nutPlastic40Top capAISI 316L / 1.4404	12	Stem	AISI 316L / 1.4404
15Diaphragm support plateAISI 316L / 1.440416* O-ring** EPDM17BoltStainless steel A2-7018NutStainless steel A2-7019Spring coverAISI 316L / 1.440420* Lower diaphragmPTFE (Gylon)21* Upper diaphragmEPDM21A* Gasket** EPDM22Diaphragm plateAISI 316L / 1.440423NutStainless steel A2-7024* WasherStainless steel A225Lower spring guideAISI 316L / 1.440426* Adjustment springAISI 316L / 1.440427Upper spring guideAISI 316L / 1.440428Adjustment screwBrass29BearingCorrosion resistant steel20* O-ringNBR31Adjustment knobAISI 316L / 1.440432Ext. bowed shaft ringStainless steel33Cover nutPlastic40Top capAISI 316L / 1.4404	13	Stem guide	** PTFE
16* O-ring** EPDM17BoltStainless steel A2-7018NutStainless steel A2-7019Spring coverAISI 316L / 1.440420* Lower diaphragmPTFE (Gylon)21* Upper diaphragmEPDM21A* Gasket** EPDM22Diaphragm plateAISI 316L / 1.440423NutStainless steel A2-7024* WasherStainless steel A225Lower spring guideAISI 316L / 1.440426* Adjustment springAISI 302 / 1.430027Upper spring guideAISI 316L / 1.440428Adjustment springCorrosion resistant steel29BearingCorrosion resistant steel20* O-ringNBR31Adjustment knobAISI 316L / 1.440432Ext. bowed shaft ringStainless steel33Cover nutPlastic40Top capAISI 316L / 1.4404	14	Retaining ring	Stainless steel A2-70
17BoltStainless steel A2-7018NutStainless steel A2-7019Spring coverAISI 316L / 1.440420* Lower diaphragmPTFE (Gylon)21* Upper diaphragmEPDM21A* Gasket** EPDM22Diaphragm plateAISI 316L / 1.440423NutStainless steel A2-7024* WasherStainless steel A2-7024* WasherStainless steel A225Lower spring guideAISI 316L / 1.440426* Adjustment springAISI 302 / 1.430027Upper spring guideAISI 302 / 1.430027Upper spring guideAISI 316L / 1.440428Adjustment screwBrass29BearingCorrosion resistant steel20* O-ringNBR31Adjustment knobAISI 316L / 1.440432Ext. bowed shaft ringStainless steel33Cover nutPlastic40Top capAISI 316L / 1.4404	15	Diaphragm support plate	AISI 316L / 1.4404
18NutStainless steel A2-7019Spring coverAISI 316L / 1.440420* Lower diaphragmPTFE (Gylon)21* Upper diaphragmEPDM21A* Gasket** EPDM22Diaphragm plateAISI 316L / 1.440423NutStainless steel A2-7024* WasherStainless steel A225Lower spring guideAISI 316L / 1.440426* Adjustment springAISI 316L / 1.440427Upper spring guideAISI 316L / 1.440428Adjustment springBrass29BearingCorrosion resistant steel20* O-ringNBR31Adjustment knobAISI 316L / 1.440432Ext. bowed shaft ringStainless steel A233Cover nutPlastic40Top capAISI 316L / 1.4404	16	* O-ring	** EPDM
19Spring coverAISI 316L / 1.440420* Lower diaphragmPTFE (Gylon)21* Upper diaphragmEPDM21A* Gasket** EPDM22Diaphragm plateAISI 316L / 1.440423NutStainless steel A2-7024* WasherStainless steel A225Lower spring guideAISI 316L / 1.440426* Adjustment springAISI 302 / 1.430027Upper spring guideAISI 316L / 1.440428Adjustment screwBrass29BearingCorrosion resistant steel20* O-ringNBR31Adjustment knobAISI 316L / 1.440432Ext. bowed shaft ringStainless steel33Cover nutPlastic40Top capAISI 316L / 1.4404	17	Bolt	Stainless steel A2-70
20* Lower diaphragmPTFE (Gylon)21* Upper diaphragmEPDM21A* Gasket** EPDM22Diaphragm plateAISI 316L / 1.440423NutStainless steel A2-7024* WasherStainless steel A225Lower spring guideAISI 316L / 1.440426* Adjustment springAISI 302 / 1.430027Upper spring guideAISI 316L / 1.440428Adjustment screwBrass29BearingCorrosion resistant steel20* O-ringNBR31Adjustment knobAISI 316L / 1.440432Ext. bowed shaft ringStainless steel33Cover nutPlastic40Top capAISI 316L / 1.4404	18	Nut	Stainless steel A2-70
21* Upper diaphragmEPDM21A* Gasket** EPDM22Diaphragm plateAISI 316L / 1.440423NutStainless steel A2-7024* WasherStainless steel A225Lower spring guideAISI 316L / 1.440426* Adjustment springAISI 302 / 1.430027Upper spring guideAISI 316L / 1.440428Adjustment screwBrass29BearingCorrosion resistant steel20* O-ringNBR31Adjustment knobAISI 316L / 1.440432Ext. bowed shaft ringStainless steel33Cover nutPlastic40Top capAISI 316L / 1.4404	19	Spring cover	AISI 316L / 1.4404
21A* Gasket** EPDM22Diaphragm plateAISI 316L / 1.440423NutStainless steel A2-7024* WasherStainless steel A225Lower spring guideAISI 316L / 1.440426* Adjustment springAISI 302 / 1.430027Upper spring guideAISI 316L / 1.440428Adjustment screwBrass29BearingCorrosion resistant steel20* O-ringNBR31Adjustment knobAISI 316L / 1.440432Ext. bowed shaft ringStainless steel33Cover nutPlastic40Top capAISI 316L / 1.4404	20	* Lower diaphragm	PTFE (Gylon)
22Diaphragm plateAISI 316L / 1.440423NutStainless steel A2-7024* WasherStainless steel A225Lower spring guideAISI 316L / 1.440426* Adjustment springAISI 302 / 1.430027Upper spring guideAISI 316L / 1.440428Adjustment screwBrass29BearingCorrosion resistant steel20* O-ringNBR31Adjustment knobAISI 316L / 1.440432Ext. bowed shaft ringStainless steel33Cover nutPlastic40Top capAISI 316L / 1.4404	21	* Upper diaphragm	EPDM
23NutStainless steel A2-7024* WasherStainless steel A225Lower spring guideAISI 316L / 1.440426* Adjustment springAISI 302 / 1.430027Upper spring guideAISI 316L / 1.440428Adjustment screwBrass29BearingCorrosion resistant steel20* O-ringNBR31Adjustment knobAISI 316L / 1.440432Ext. bowed shaft ringStainless steel33Cover nutPlastic40Top capAISI 316L / 1.4404	21A	* Gasket	** EPDM
24* WasherStainless steel A225Lower spring guideAISI 316L / 1.440426* Adjustment springAISI 302 / 1.430027Upper spring guideAISI 316L / 1.440428Adjustment screwBrass29BearingCorrosion resistant steel20* O-ringNBR31Adjustment knobAISI 316L / 1.440432Ext. bowed shaft ringStainless steel33Cover nutPlastic40Top capAISI 316L / 1.4404	22	Diaphragm plate	AISI 316L / 1.4404
25Lower spring guideAISI 316L / 1.440426* Adjustment springAISI 302 / 1.430027Upper spring guideAISI 316L / 1.440428Adjustment screwBrass29BearingCorrosion resistant steel20* O-ringNBR31Adjustment knobAISI 316L / 1.440432Ext. bowed shaft ringStainless steel33Cover nutPlastic40Top capAISI 316L / 1.4404	23	Nut	Stainless steel A2-70
26* Adjustment springAISI 302 / 1.430027Upper spring guideAISI 316L / 1.440428Adjustment screwBrass29BearingCorrosion resistant steel20* O-ringNBR31Adjustment knobAISI 316L / 1.440432Ext. bowed shaft ringStainless steel33Cover nutPlastic40Top capAISI 316L / 1.4404	24	* Washer	Stainless steel A2
27Upper spring guideAISI 316L / 1.440428Adjustment screwBrass29BearingCorrosion resistant steel20* O-ringNBR31Adjustment knobAISI 316L / 1.440432Ext. bowed shaft ringStainless steel33Cover nutPlastic40Top capAISI 316L / 1.4404	25	Lower spring guide	AISI 316L / 1.4404
28Adjustment screwBrass29BearingCorrosion resistant steel20* O-ringNBR31Adjustment knobAISI 316L / 1.440432Ext. bowed shaft ringStainless steel33Cover nutPlastic40Top capAISI 316L / 1.4404	26	* Adjustment spring	AISI 302 / 1.4300
29BearingCorrosion resistant steel20* O-ringNBR31Adjustment knobAISI 316L / 1.440432Ext. bowed shaft ringStainless steel33Cover nutPlastic40Top capAISI 316L / 1.4404	27	Upper spring guide	AISI 316L / 1.4404
20* O-ringNBR31Adjustment knobAISI 316L / 1.440432Ext. bowed shaft ringStainless steel33Cover nutPlastic40Top capAISI 316L / 1.4404	28	Adjustment screw	Brass
31Adjustment knobAISI 316L / 1.440432Ext. bowed shaft ringStainless steel33Cover nutPlastic40Top capAISI 316L / 1.4404	29	Bearing	Corrosion resistant steel
32Ext. bowed shaft ringStainless steel33Cover nutPlastic40Top capAISI 316L / 1.4404	20	* O-ring	NBR
33   Cover nut   Plastic     40   Top cap   AISI 316L / 1.4404	31	Adjustment knob	AISI 316L / 1.4404
40 Top cap AISI 316L / 1.4404	32	Ext. bowed shaft ring	Stainless steel
	33	Cover nut	Plastic
41 * O-ring NBR	40	Тор сар	AISI 316L / 1.4404
	41	* O-ring	NBR

\* Available spare parts; \*\* Others on request. FDA / USP Class VI seals certificate on request.

All valves have a serial number. In case of non standard valves, this number must be supplied if spare parts are ordered.

#### **TYPICAL INSTALLATION**



Blanketing with overpressure

# VALSTEAM ADCA



Valve model	BVI	Α	2	Т	Е	I	X	X	X	0	L	15
BKVi2 – A351 CF3M / 1.4409 blanketing low pressure vent valve	BVI		-	<u>  -</u>	-	-					-	
Regulating range	511											
5 to 10 mbar		0										
10 to 50 mbar		1										
20 to 200 mbar		2										
50 to 500 mbar		3										
		-										
5 to 4000 mbar (dome-loading)		A										
Valve seat orifice				-								
Seat diameter 21 mm			2									
Diaphragm				-								
PTFE (Gylon)				Т								
Valve sealing					_							
EPDM					E							
FPM / Viton (USP Class VI on request)					V							
Adjustment knob, top cap and leakage line connection												
Stainless steel adjustment knob						Ι						
Top cap (adjustment screw with cover)						Т						
Stainless steel adjustment knob w/ ISO 228 G 1/4" leakage line connection						L						
Stainless steel adjustment knob w/ 1/4" NPT leakage line connection						м	]					
Top cap (adjustment screw with cover) w/ ISO 228 G 1/4" leakage line connection a)						U						
Top cap (adjustment screw with cover) w/ 1/4" NPT leakage line connection a)						V						
Dome-loading – ISO 228 G 1/4" b)						X						
Dome-loading – 1/4" NPT <b>b)</b>						С						
Gauge connections							1					
Without gauge connections							X					
Threaded gauge connection on the left side (relative to flow direction) – downstream p	ressure -	ISO	228	G 1	/4"		4	1				
Threaded gauge connection on the right side (relative to flow direction) – downstream	pressure	- IS0	D 22	8 G	1/4"		3					
Threaded gauge connection on both sides – downstream pressure – ISO 228 G 1/4"	-						2					
Threaded gauge connection on the left side (relative to flow direction) - downstream p	ressure -	1/4"	NP	Т			w					
Threaded gauge connection on the right side (relative to flow direction) – downstream							Y					
Threaded gauge connection on both sides – downstream pressure – 1/4" NPT							z					
Surface finish c)												
Standard surface finish		_						x	1			
Mirror mechanical polished external surfaces (SF1)								P				
Electropolished internal wetted parts (SF5)								E	1			
Special features								-				
None				_					x			
External sensing line connection												
Internal sensing line (standard)		_								0		
External sensing line connection – ISO 228 G 1/4"			-							1		
External sensing line connection – 1/4" NPT										2		
· · · · · · · · · · · · · · · · · · ·										2		
Pipe connection												
Flanged EN 1092-1 PN 16											L	
Flanged ASME B16.5 Class 150											U	
Size												
1/2" or DN 15												15
1" or DN 25												25
Special construction / Additional o	ptions											
ATEX compliant version												

further details and other surface finish options.