HYGIENIC SAMPLING VALVES
HSV

DESCRIPTION

The ADCAPure HSV is a series of hygienic sampling valves designed for use in high purity steam, WFI, pure water, and other systems for means of sampling.
These valves may also be used in other pharmaceutical applications where a hygienic design self-drainable manual valve is required.



MAIN FEATURES

Compact self drainable design.
Fully autoclavable.
Fine stem thread for precise flow regulation.
Easily replaceable FDA / USP Class VI compliant seals.



STANDARD SURFACE FINISH

Internal wetted parts: ≤ 0,51 µm Ra – SF1.
External: ≤ 0,76 µm Ra – SF3.
Other surface conditions see TIS.GIA – General information ADCAPure.
Ultrasonic cleaning.

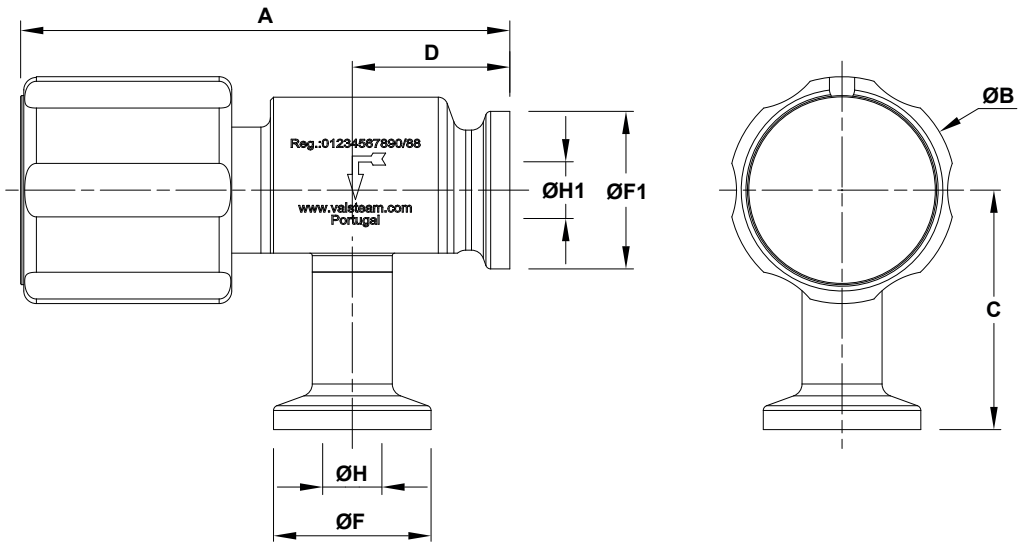
OPTIONS:	Low ferrite stainless steel, C22, and other alloys. Other constructions on request.
USE:	Clean steam, pure water, gases, and liquids compatible with the construction.
AVAILABLE MODELS:	HSV
SIZES:	1/2" x 1/2"; 1" x 1/2"
CONNECTIONS:	ASME BPE clamp ferrules. Others on request.
INSTALLATION:	With the handle at the top or side. See IMI – Installation and maintenance instructions.

CE MARKING – GROUP 2 (PED – EUROPEAN DIRECTIVE)	
PN10	**CATEGORY**
All sizes	SEP

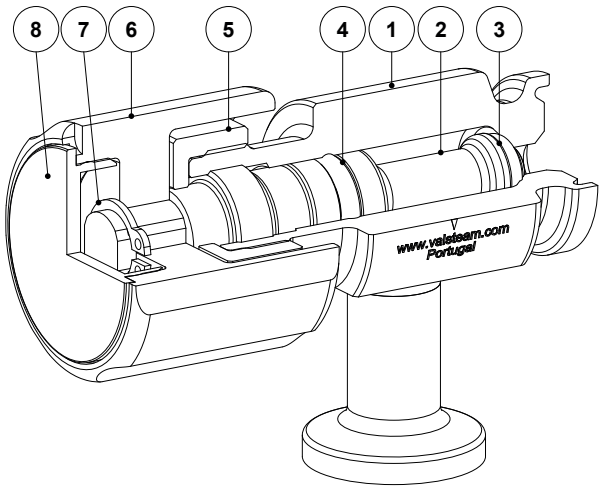
LIMITING CONDITIONS *	
Maximum operating pressure	10 bar
Maximum operating temperature **	180 ºC
Minimum operating temperature	-10 ºC

* Other limits on request. Maximum operating conditions may be limited by the valve end connections due to normative restrictions.
** See "Ordering Codes" table for restrictions.

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



DIMENSIONS (mm)									
SIZE	**A**	**ØB**	**C**	**D**	**ØF**	**ØF1**	**ØH**	**ØH1**	**WEIGHT (kg)**
1/2" X 1/2"	81	36	38	25	25	25	9,4	9,4	0,3
1" X 1/2"	81	36	45	25	25	50,5	9,4	22,1	0,4



MATERIALS		
POS. No.	**DESIGNATION**	**MATERIAL**
1	Valve body	** AISI 316L / 1.4404; AISI 316L / 1.4435; Alloy C22 / 2.4602
2	Valve stem	** AISI 316L / 1.4404; AISI 316L / 1.4435; Alloy C22 / 2.4602
3	* Valve seal	** EPDM; FFKM
4	* O-ring	** EPDM; FFKM
5	Locking nut	AISI 316L / 1.4404
6	Handwheel	POM-C
7	Circlip	Stainless steel
8	Cover nut	Nylon

* Available spare parts; ** Others on request.
Remarks: 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.

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ORDERING CODES HSV											
VALVE MODEL	**HSV**	**1**	**X**	**E**	**X**	**X**	**D**	**15**	**D**	**15**	
HSV – Hygienic sampling valve	**HSV**										
VALVE SERIES											
Series 1		**1**									
MATERIAL											
AISI 316L / 1.4404			**X**								
AISI 316L / 1.4435			**I**								
Alloy C22 / 2.4602			**H**								
VALVE SEALING											
EPDM - Tmax 150 ºC (180 ºC with steam and hot water)				**E**							
FFKM				**K**							
SURFACE FINISH (a)											
Standard surface finish					**X**						
Mirror mechanical polished external parts (SF1)					**P**						
Electropolished internal wetted parts (SF5)					**E**						
SPECIAL FEATURES											
None						**X**					
INLET PIPE CONNECTION											
Clamp ferrule ASME BPE							**D**				
INLET SIZE											
1/2"								**15**			
1"								**25**			
OUTLET PIPE CONNECTIONS											
Clamp ferrule ASME BPE									**D**		
OUTLET SIZE											
1/2"										**15**	
SPECIAL CONSTRUCTION / ADDITIONAL OPTIONS											
Full description or additional codes must be added in case of a non-standard combination											**E**

(a) Consult TIS.GIA – General information ADCAPure – for further details and other surface finish options.

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