

TECHNICAL SPECIFICATION SHEET

No.

Rev.

ITEM

**LINED HORIZONTAL
CHECK VALVE ANSI**

Date

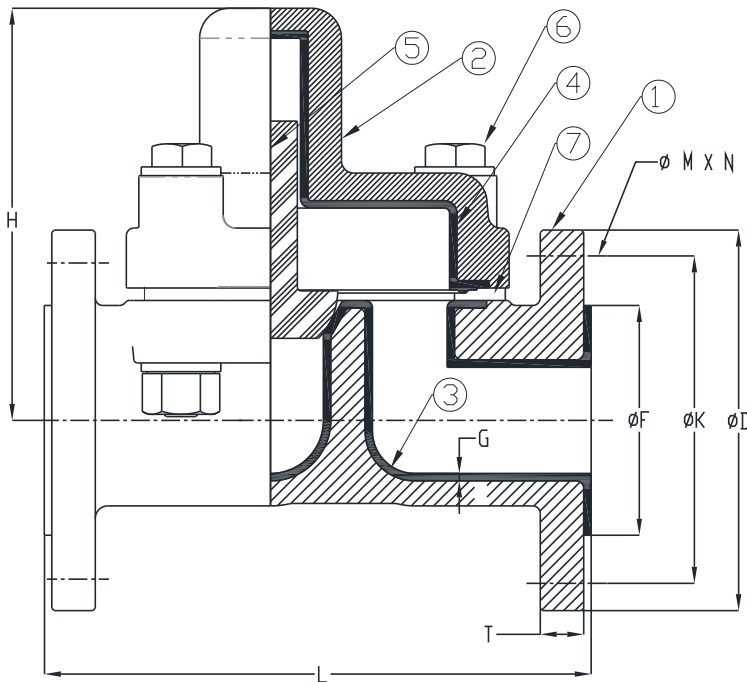
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CODE

HCV-DI-PFA

DESCRIPTION

Lined Horizontal Check valve with cast body and molded lining.



Part	Descr.	Material
1, 2	Body & Cover	CAST CARBON STEEL ☒ ASTM A216 Gr WCB
5	Poppet	☒ PTFE ☐ PFA LINED
3, 4	Lining	☒ PFA
6	Fasteners	CARBON STEEL ☒ A193 Gr B7/A194 Gr.2H
7	Gasket	☒ TFM
Flange Drilling		☒ ANSI B16.5 / B16.42 150#
Exterior Finish		☒ Epoxy Primer+finish paint

HCV-DI-PFA

Size NB, Inch	L	D	OK	Od x n	OF	Lin., Thk. Mm ,Inch
1" (25)	7"	4.25"	3.13"	.63" x 4	2.00"	.12"
1.5" (40)	7.64"	5.00"	3.87"	.63" x 4	2.87"	.12"
2" (50)	8.62"	6.00"	4.75"	.75" x 4	3.62"	.12"
3" (80)	10.75"	7.50"	6.00"	.75" x 4	5.000"	.12"
4" (100)	14.49"	9.02"	7.50"	.75" x 8	6.18"	.14"
6" (150)	18.5"	10.98"	9.50"	.91" x 8	8.50"	.16"

Service Conditions

	Design	Oper.	Testing			
Press. (max.), bar			Hydro	Body	15	bar
Temp. (max.), °C				Seat	10	bar
Vac. (max.), mm Hg			Spark		15	KV
Fluid			Vacuum			mm Hg
			Pneumatic			

Notes:

- All dimensions in inches.
- Design generally as per ANSI b16.34, API 594 BS 1868
- Testing as per API 598 / EN12266-1
- Sketch shown above illustrates only the general assembly and is not to scale.
- Lining may not be suitable for vacuum service.
- Poppet is either solid PTFE or PFA with Steel inert.
- By default, for Sizes DN 25 to DN 50 poppet is solid PTFE 8 for size DN 80 and above the popper is PFA with Steel inert.
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COMMENTS:

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