

Gemini Valve B.V.

Zijperstraat 29, 1823CX Alkmaar, Netherlands
Tel.: +31(0) 161-227.909 / Mobile: +316 1358 2578

info@geminivalve.nl
www.geminivalve.nl
GV325



STAINLESS STEEL PISTON CHECK VALVE FEMALE BSP

Stainless steel piston check valve female BSP for water, chemical and pharmaceutical industries, petrochemical industries, hydraulic installation, compressed air.

Stainless steel type with PTFE gaskets. All positions.

Full bore, weak head loss.

Compatible with explosive atmosphere, ATEX Zone 1&21 and Zone 2&22.

Check valve in accordance with the regulation (EC) N° 1935-2004 on request.

Metal/metal tightness (leakage rate according to API 598 standard)



Size : DN1/4" to DN3"

Connection : Female BSP

Min Temperature : -20°C

Max Temperature : +200°C

Max Pressure : 50 Bars

Specifications : Piston type
All positions

Full bore, weak head loss

In accordance with the regulation EC 1935-2004 on request

Materials : Stainless steel EN 1.4408

Gemini Valve B.V.

Zijperstraat 29, 1823CX Alkmaar, Netherlands
Tel.: +31(0) 161-227.909 / Mobile: +316 1358 2578

info@geminivalve.nl
www.geminivalve.nl
GV325



STAINLESS STEEL PISTON CHECK VALVE FEMALE BSP

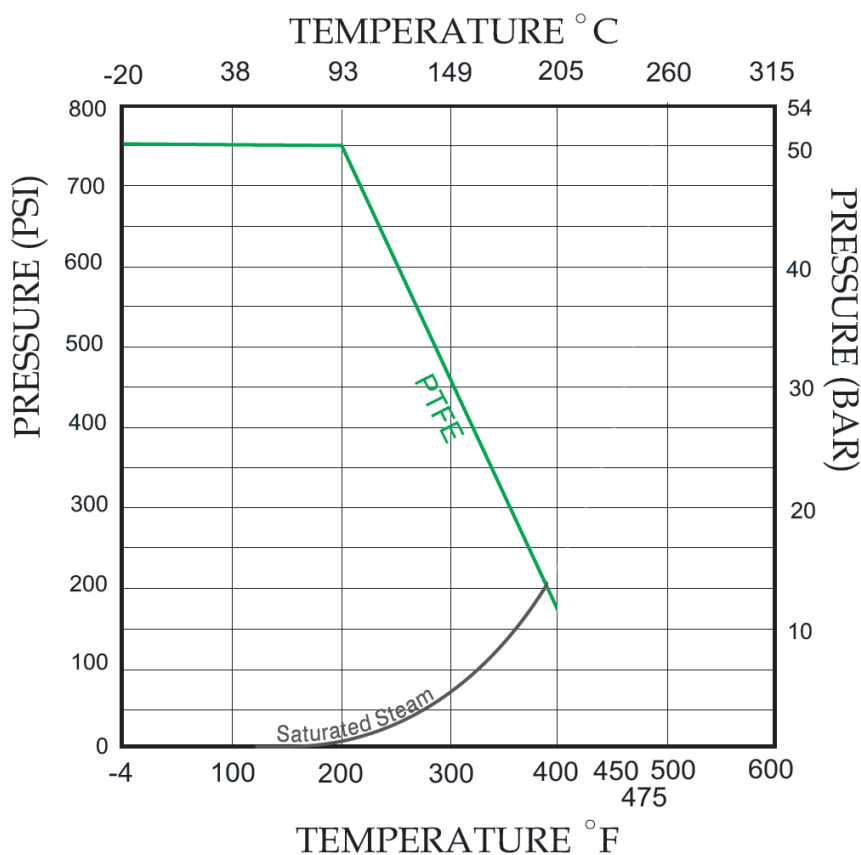
SPECIFICATIONS :

- Piston type
- All positions (respect the flow direction indicated by the arrow)
- Short length
- PTFE seat

USE :

- Chemical and pharmaceutical industries, petrochemical industries, hydraulic installation, compressed air, potable water
- Min Temperature Ts : - 20°C
- Max Temperature Ts : + 200°C
- Max Pressure Ps : 50 bars (see graph under)
- Steam : 13 bars max

PRESSURE / TEMPERATURE GRAPH :



FLOW COEFFICIENT Kvs (M3 / h) :

DN	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
Kvs (m3/h)	1.3	1.3	1.5	3	5.45	8	12.08	18.8	30	88.9

Gemini Valve B.V.

Zijperstraat 29, 1823CX Alkmaar, Netherlands

Tel.: +31(0) 161-227.909 / Mobile: +316 1358 2578

info@geminivalve.nl

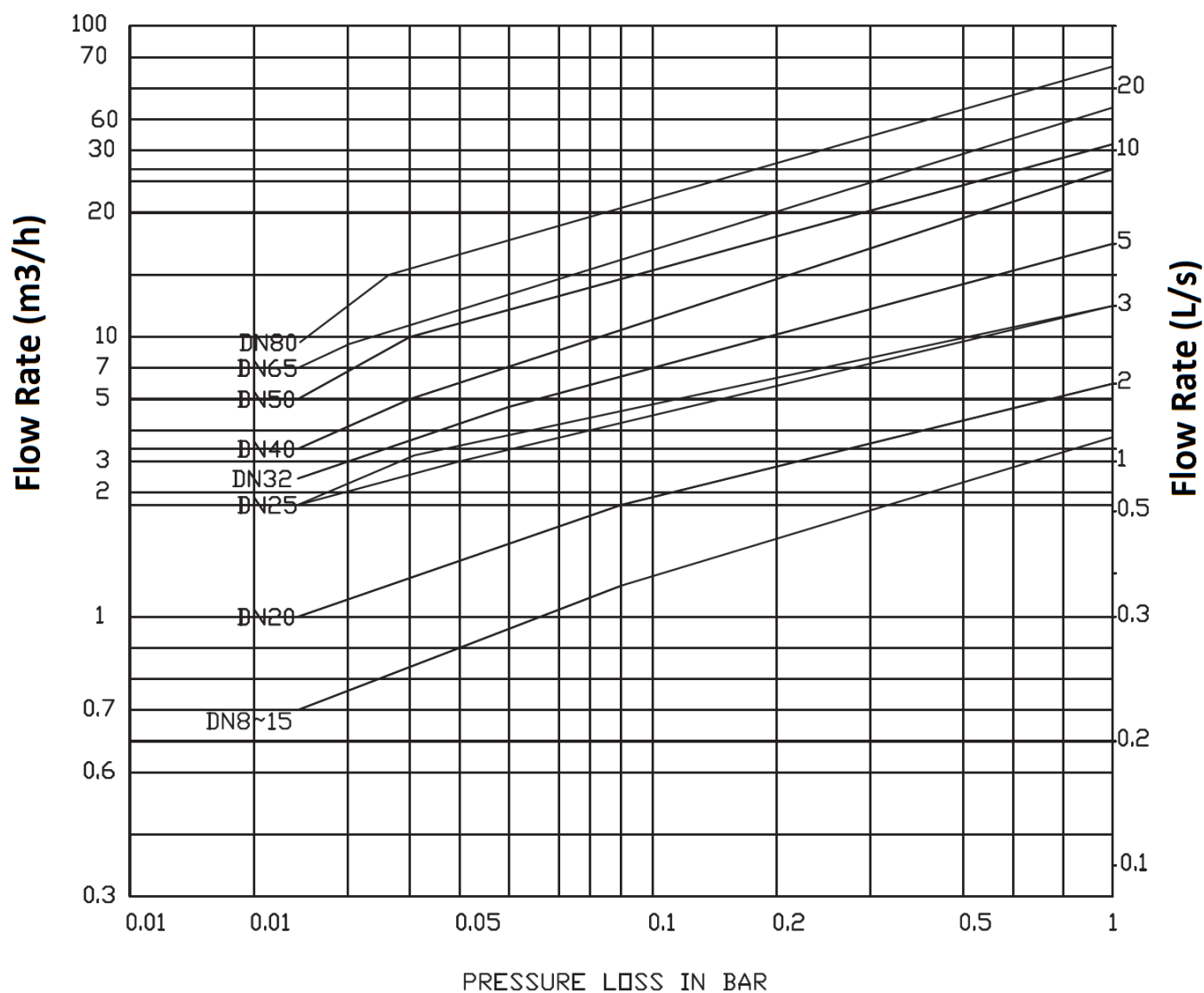
www.geminivalve.nl

GV325



STAINLESS STEEL PISTON CHECK VALVE FEMALE BSP

HEAD LOSS GRAPH :



Gemini Valve B.V.

Zijperstraat 29, 1823CX Alkmaar, Netherlands
Tel.: +31(0) 161-227.909 / Mobile: +316 1358 2578

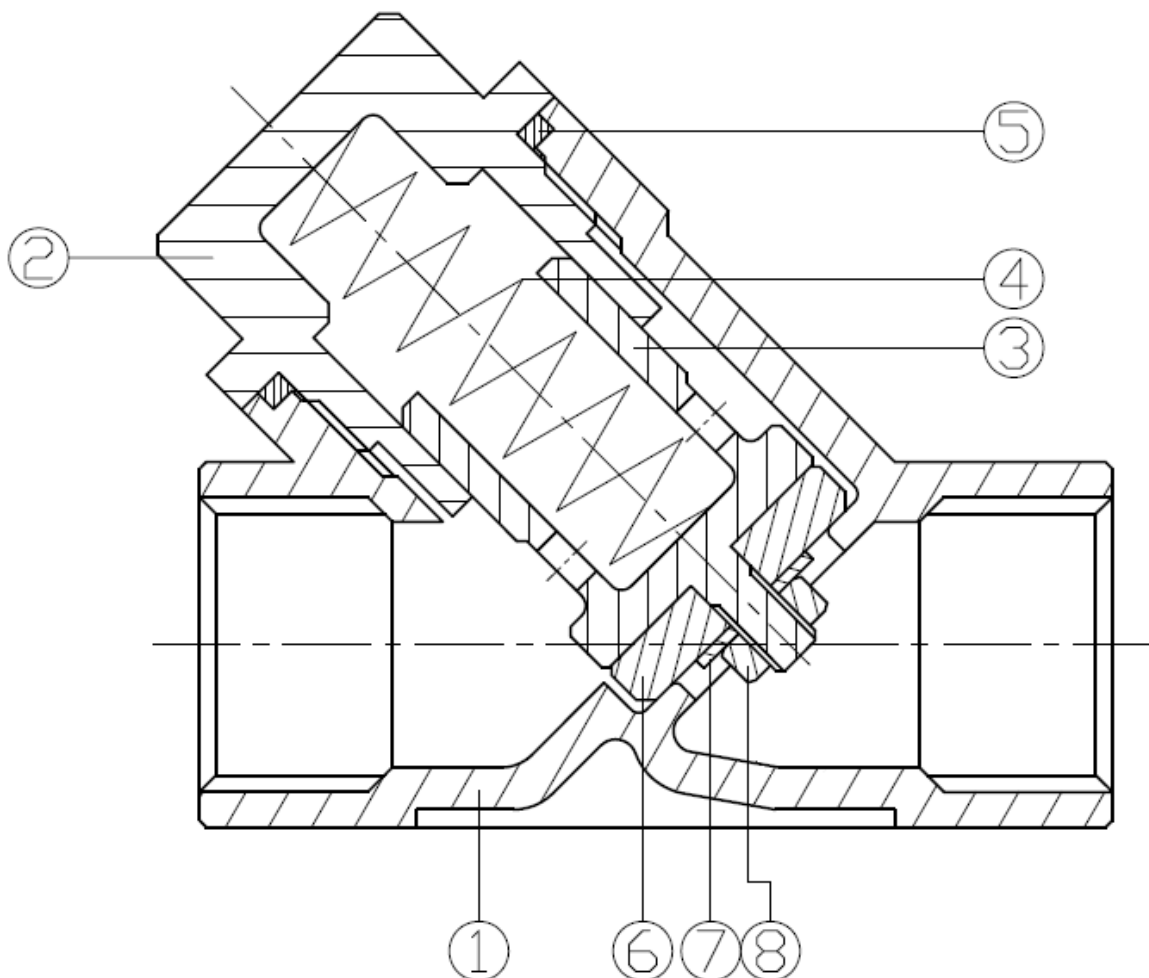
info@geminivalve.nl
www.geminivalve.nl
GV325

**STAINLESS STEEL PISTON CHECK VALVE FEMALE BSP****OPENING PRESSURE (in mbar) :**

DN	Opening Pressure (mbar)
1/4"	29
3/8"	29
1/2"	29
3/4"	29
1"	31
1"1/4	31
1"1/2	32
2"	35
2"1/2	40
3"	50

RANGE :

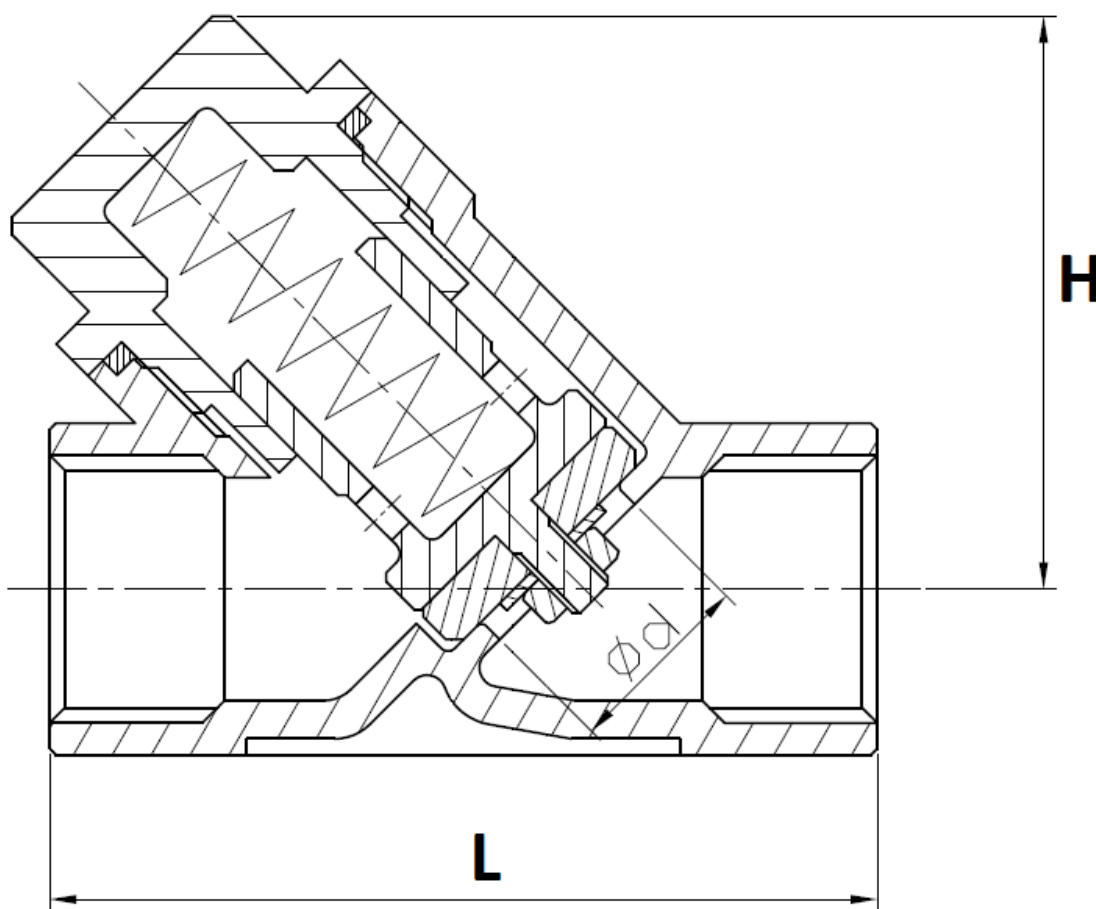
- Female / female threaded BSP cylindrical piston check valve **Ref. 325** from DN 1/4" to DN 3"

STAINLESS STEEL PISTON CHECK VALVE FEMALE BSP**MATERIALS :**

Item	Designation	Materials
1	Body	EN 1.4408
2	Bonnet	
3	Piston	
4	Spring	AISI 316
5	Bonnet gasket	PTFE
6	Seat	
7	Washer	AISI 316
8	Nut	

STAINLESS STEEL PISTON CHECK VALVE FEMALE BSP

SIZE (in mm) :



DN	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"
Ø d	10	10	15	20	25	32	38	51	65	76
H	40	40	40	46	55	66	75	92	120	133
L	57	57	61	70	86	100	111	138	170	195
Weight (Kg)	0.3	0.28	0.22	0.33	0.68	1.1	1.58	2.58	3.9	6
Ref.	325002	325003	325004	325005	325006	325007	325008	325009	325010	325011

Gemini Valve B.V.

Zijperstraat 29, 1823CX Alkmaar, Netherlands
Tel.: +31(0) 161-227.909 / Mobile: +316 1358 2578

info@geminivalve.nl
www.geminivalve.nl
GV325

**STAINLESS STEEL PISTON CHECK VALVE FEMALE BSP****STANDARDS :**

- Manufacturer certified ISO 9001 : 2015
- DIRECTIVE 2014/68/EU : For liquids and gas of Group 1
 - DN1/4"-1" : Article 4, §3 (SEP), no CE marking
 - DN1"1/4-3" : Risk Category II, CE 0035 marking
- Certificate 3.1 on request
- Pressure tests according to API 598, table 6
- BSP threaded cylindrical ends according to ISO 228-1
- ATEX Group II Category 2 G/2D Zone 1 & 21 Zone 2 & 22 (optional marking)
- Check valve in accordance with the regulation **(EC) N° 1935-2004 on request**

ADVICE : Our opinion and our advice are not guaranteed and Gemini Valve shall not be liable for the consequences of damages. The customer must check the right choice of the products with the real service conditions.