

STAINLESS STEEL 3 PIECES DISC CHECK VALVE FEMALE BSP

3 pieces disc check valve female BSP for drinking water, chemical and pharmaceutical industries, petrochemical industries, hydraulic installation, compressed air.

Stainless steel type with PTFE gaskets. All positions.

Removable central part for an easy maintenance.

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



Size : DN1/4" to DN4"

Connection : Female BSP

Min Temperature : -20°C

Max Temperature : +200°C

Max Pressure : 63 Bars

Specifications : Disc type

All positions

Metal/metal tightness

In accordance with the regulation EC 1935-2004

Materials : Stainless steel EN 1.4408

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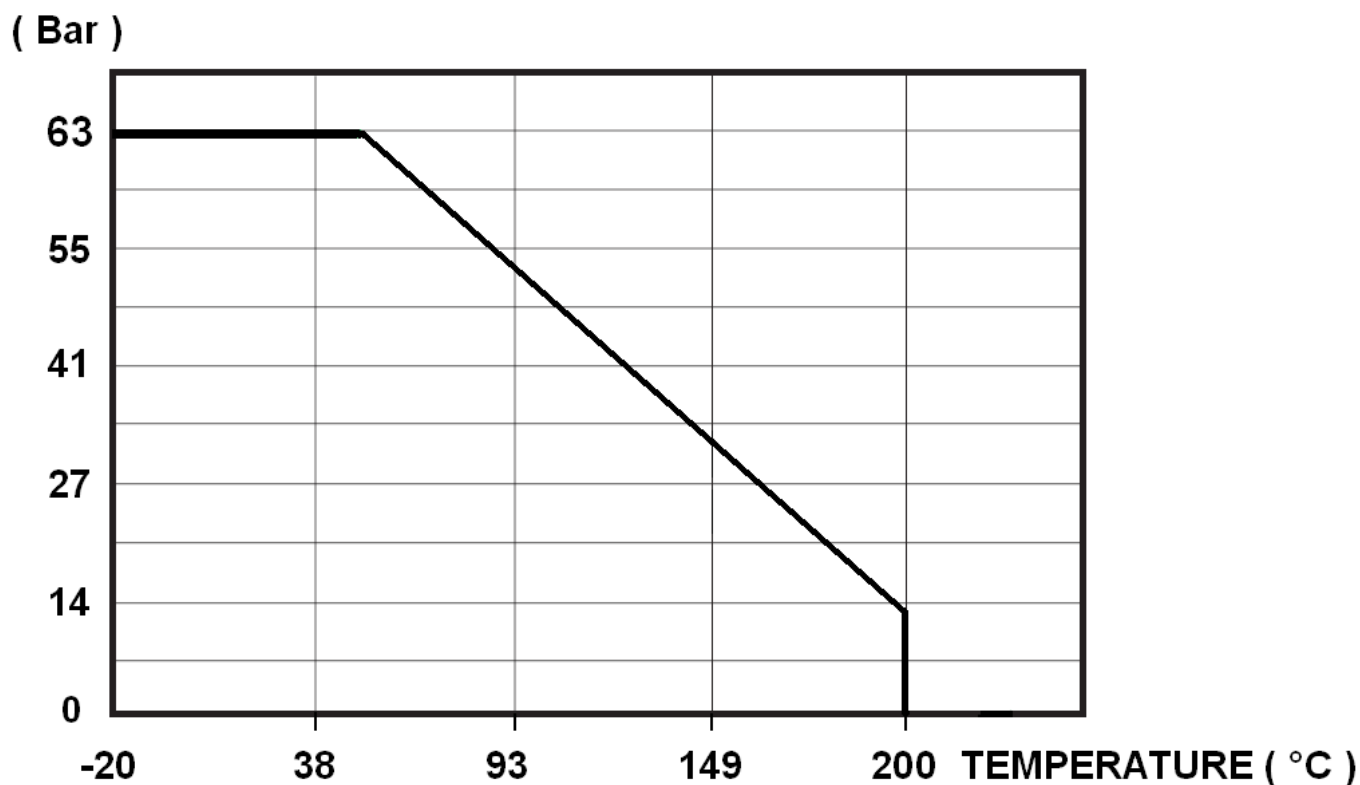
SPECIFICATIONS :

- 3 pieces spring type
- All positions (respect the flow direction indicated by the arrow)
- Metal / metal tightness
- Stainless steel

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 : 63 bars (see graph under)
- Steam : 11 bars max

PRESSURE / TEMPERATURE GRAPH (STEAM EXCLUDED) :

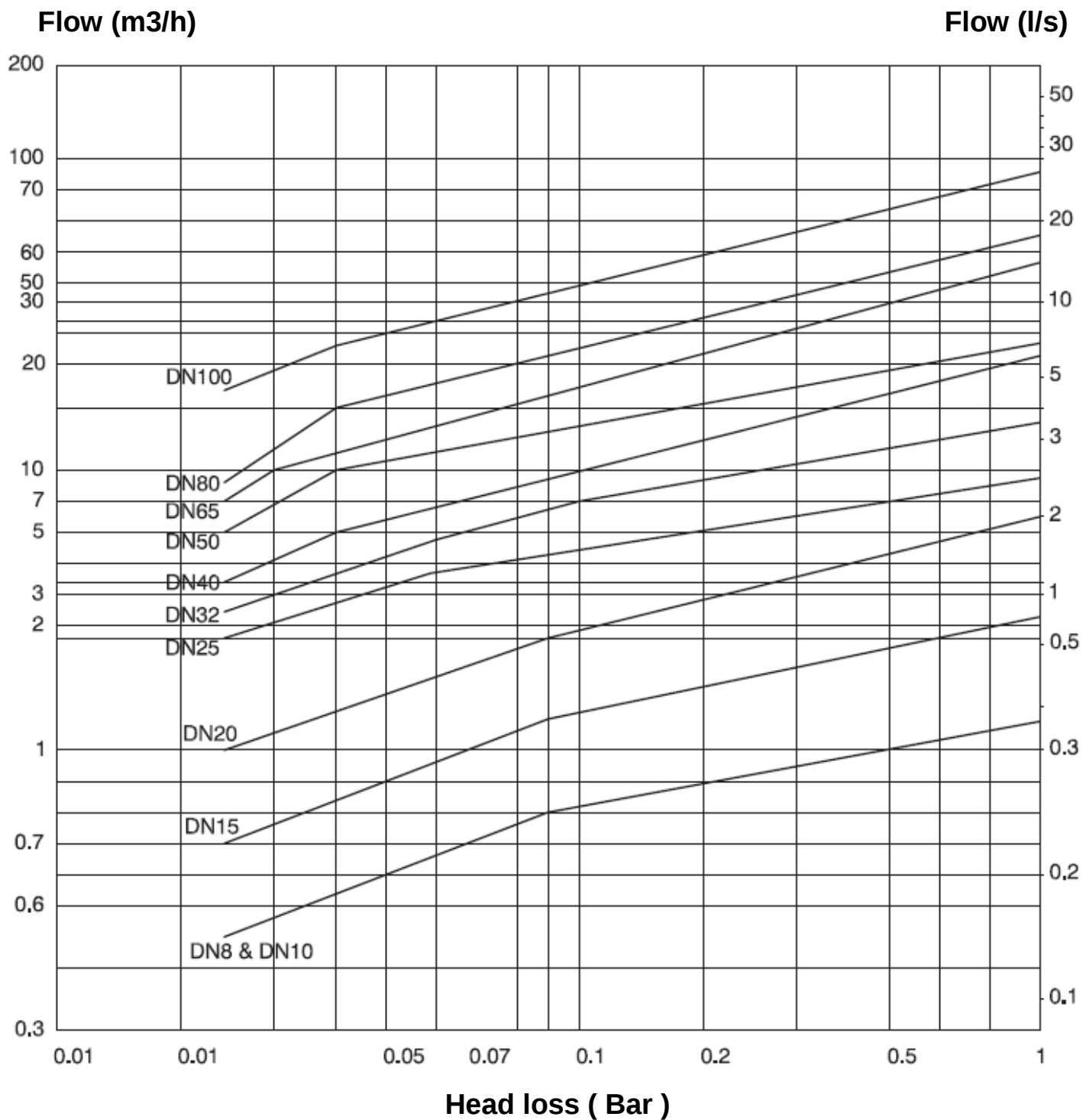


FLOW COEFFICIENT Kvs (M3 / h) :

NPS (")	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
DN (mm)	8	10	15	20	25	32	40	50	65	80	100
Kvs (m3/h)	1.23	1.23	2.24	6.5	9.61	15.89	22.49	25.12	57.8	64.93	91.6

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HEAD LOSS GRAPH :



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LEAKAGE RATE ACCORDING TO API 598 (DURING 60s):

NPS (")	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
DN	8	10	15	20	25	32	40	50	65	80	100
Liquid Test (cc/min)	6								7.5	9	12
Gas Test (m3/h)	0.08								0.11	0.13	0.17

OPENING PRESSURE (in mbar) :

DN	Vertical Position ascending fluid	Horizontal Position
DN 08	25 ↑	23 →
DN 10	25 ↑	23 →
DN 15	25 ↑	23 →
DN 20	25 ↑	23 →
DN 25	25 ↑	23 →
DN 32	27 ↑	24 →
DN 40	29 ↑	25 →
DN 50	29 ↑	25 →
DN 65	31 ↑	25 →
DN 80	32 ↑	26 →
DN100	33 ↑	27 →

BOLT TIGHTENING TABLE (in Nm):

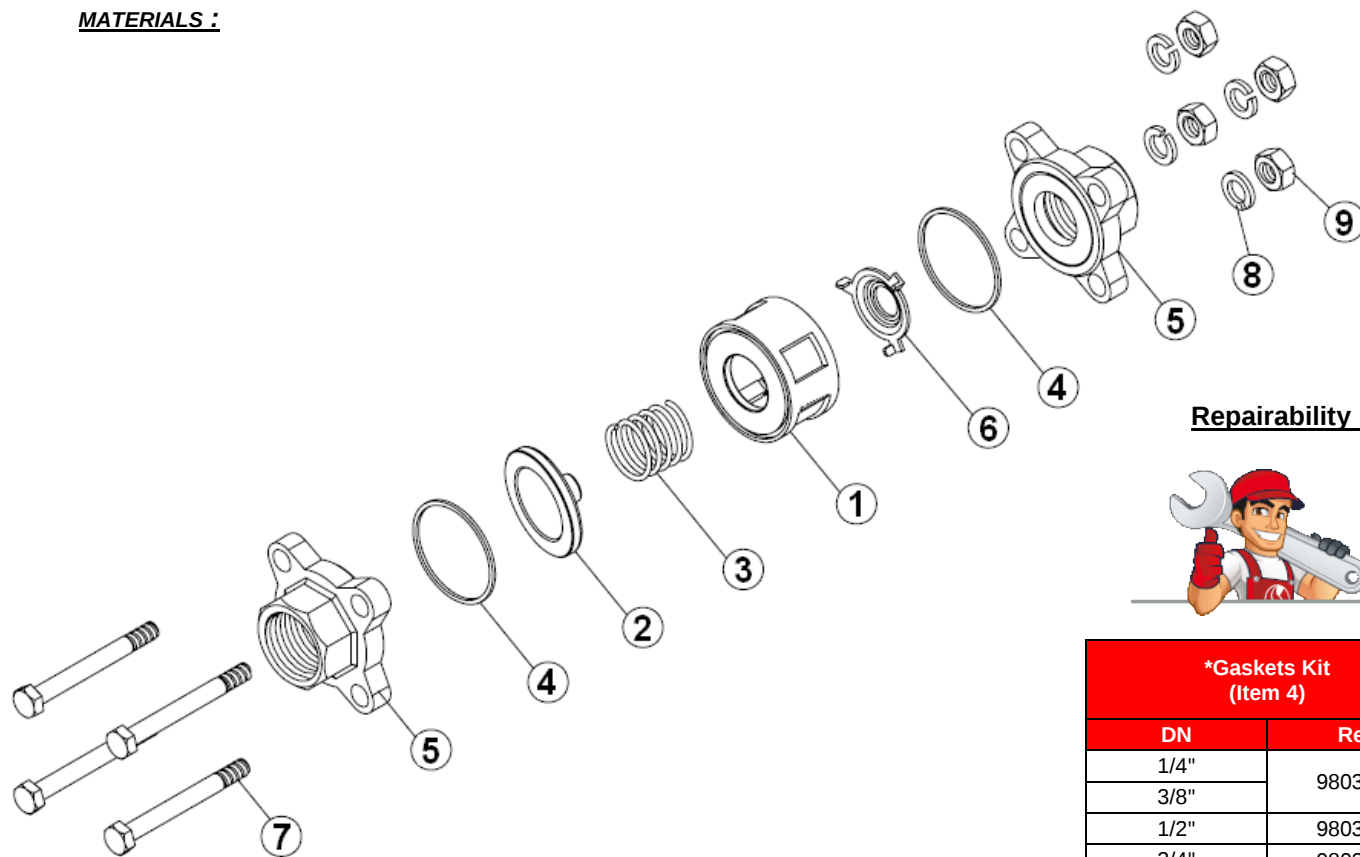
DN	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
Torque (Nm)	30	30	30	30	45	45	45	60	75	90	105

RANGE :

- 3 pieces disc check valve female / female threaded BSP cylindrical **Ref. 380** from DN 1/4" to DN 4"

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MATERIALS :



Repairability :



*Gaskets Kit (Item 4)

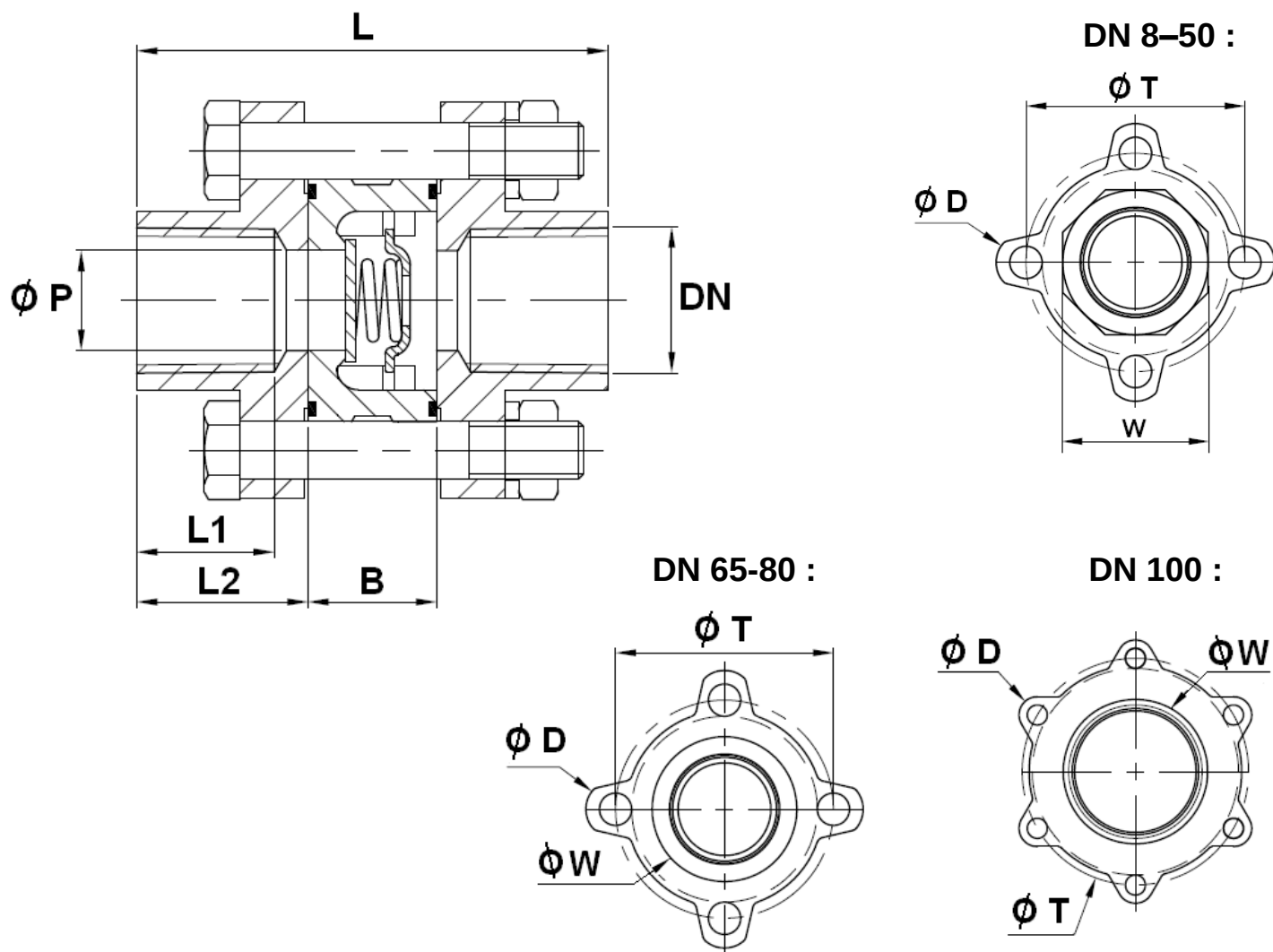
DN	Ref.
1/4"	9803023
3/8"	
1/2"	9803024
3/4"	9803025
1"	9803026
1"1/4"	9803027
1"1/2"	9803028
2"	9803029
2"1/2"	9803030
3"	9803031
4"	9803032

*Included in gaskets kit

Item	Designation	Materials
1	Body	EN 1.4408
2	Disc	ASTM A240-316
3	Spring	
4*	Gasket (x2)	PTFE
5	Ends	EN 1.4408
6	Spring holder	ASTM A240-316
7	Screw	AISI 304
8	Washer	
9	Nut	

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SIZE (in mm) :



DN	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"	4"
Ø P	10	10	14	19	25	31	39	49	64	78	97
L	60	60	63	71	81.5	91	97.5	117	131.5	143.5	174.5
L1	16	16	18	20	20	23	23	27	33	35	45
L2	21	21	22	23.5	26	29	30	35	42	44	52
B	18	18	19	24	29.5	33	37.5	47	47.5	55.5	70.5
Ø D	12	12	14	16	16	18	18	18	18	18	18
Ø T	36.5	36.5	42.7	51.7	58.7	72.7	83.7	98.7	129	153.5	186.5
W	22	22	26	32	39	49	56	69	83	100	122.5
Weight (in Kg)	0.24	0.24	0.36	0.5	0.73	1.18	1.61	2.45	4.02	6.23	10.48
Ref.	380002	380003	380004	380005	380006	380007	380008	380009	380010	380011	380012

STAINLESS STEEL 3 PIECES DISC CHECK VALVE FEMALE BSP**STANDARDS :**

- Manufacturer certified ISO 9001 : 2015 and ISO 14001 :2015
- DIRECTIVE 2014/68/EU : For liquids and gas of Group 1
 - DN1/4"-1" : Article 4, §3 (SEP), no CE marking
 - DN1"1/4-4" : Risk Category II, CE0035 marking
- Certificate 3.1 on request
- Construction according to EN 12516-1
- Designing according to ASME B16.34
- 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)
- French water agreement **A.C.S. N° 22 ACC LY 722 from DN1/4" to 2"**
- Check valve in accordance with the regulation **(EC) N° 1935-2004 on request**

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