# STAINLESS STEEL 3 PIECES DISC CHECK VALVE SW

3 pieces disc check valve SW 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)

CE 1935/2004 — ATTESTATION DE CONFORMITÉ SANITAIRE ACS — Certificate 3.1 — TÜVRheinland PED/2014/68/UE

**Size :** DN8 to DN100
**Connection :** SW
**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

# STAINLESS STEEL 3 PIECES DISC CHECK VALVE SW

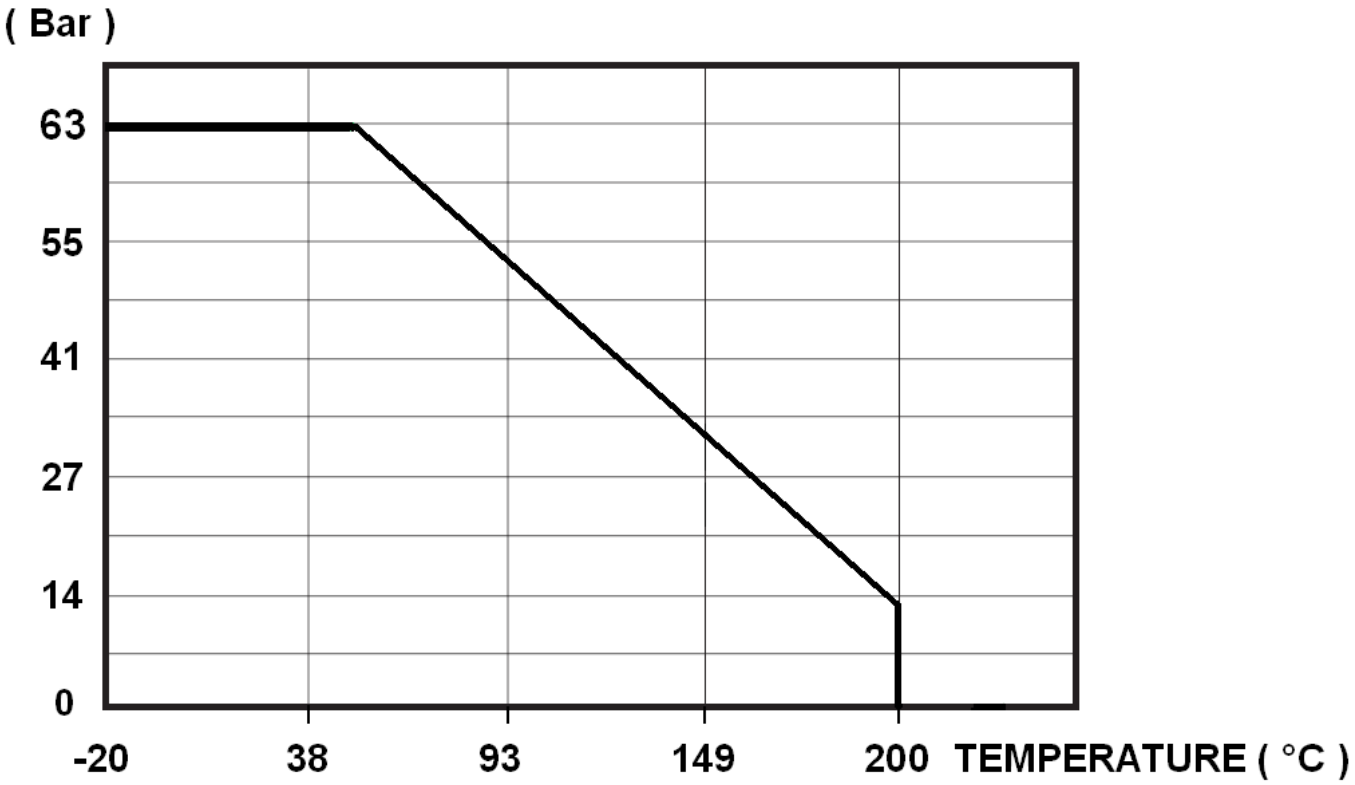
***SPECIFICATIONS :***

- 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 ) :***

| 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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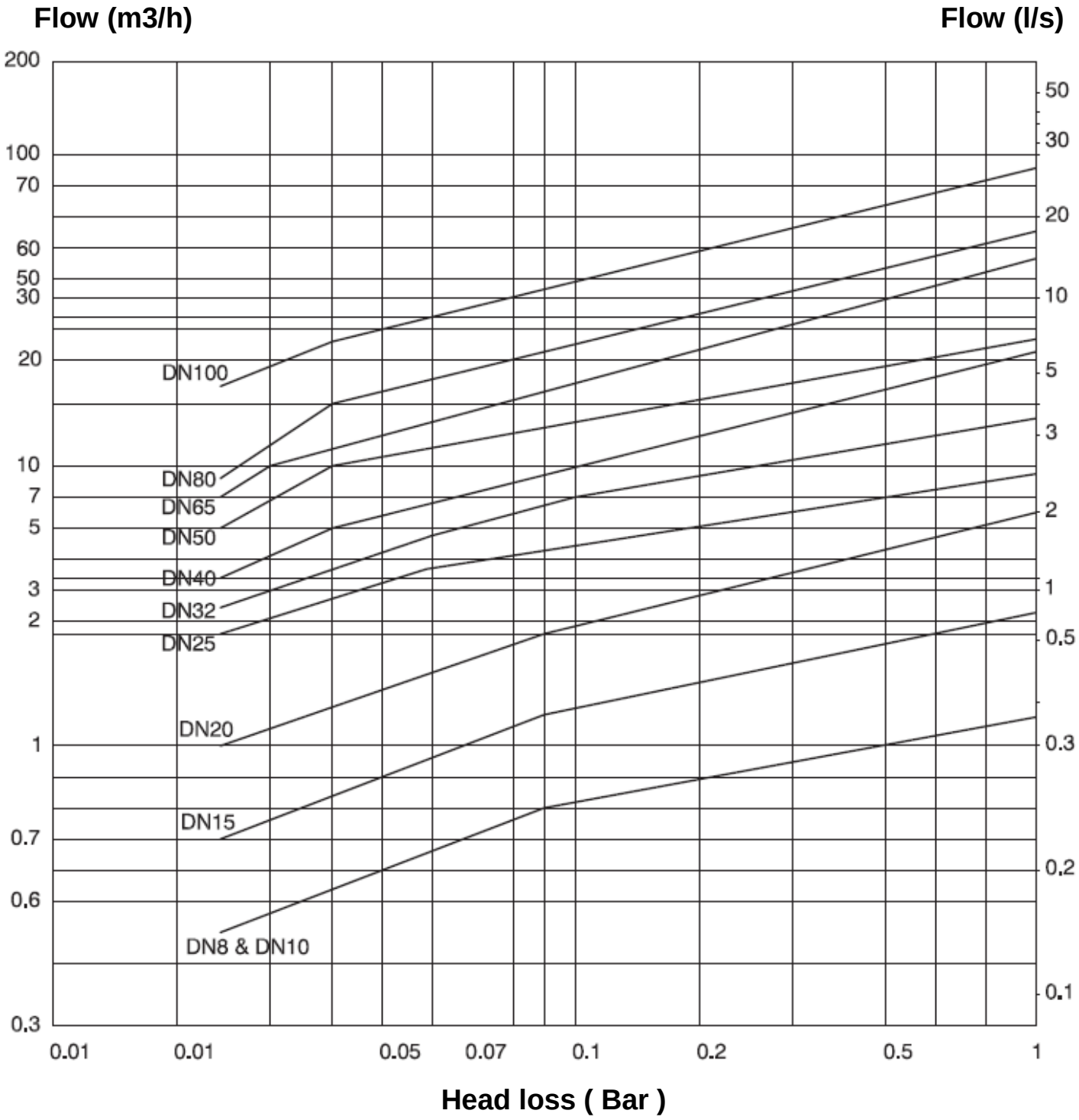
***HEAD LOSS GRAPH :***



# STAINLESS STEEL 3 PIECES DISC CHECK VALVE SW

***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):***

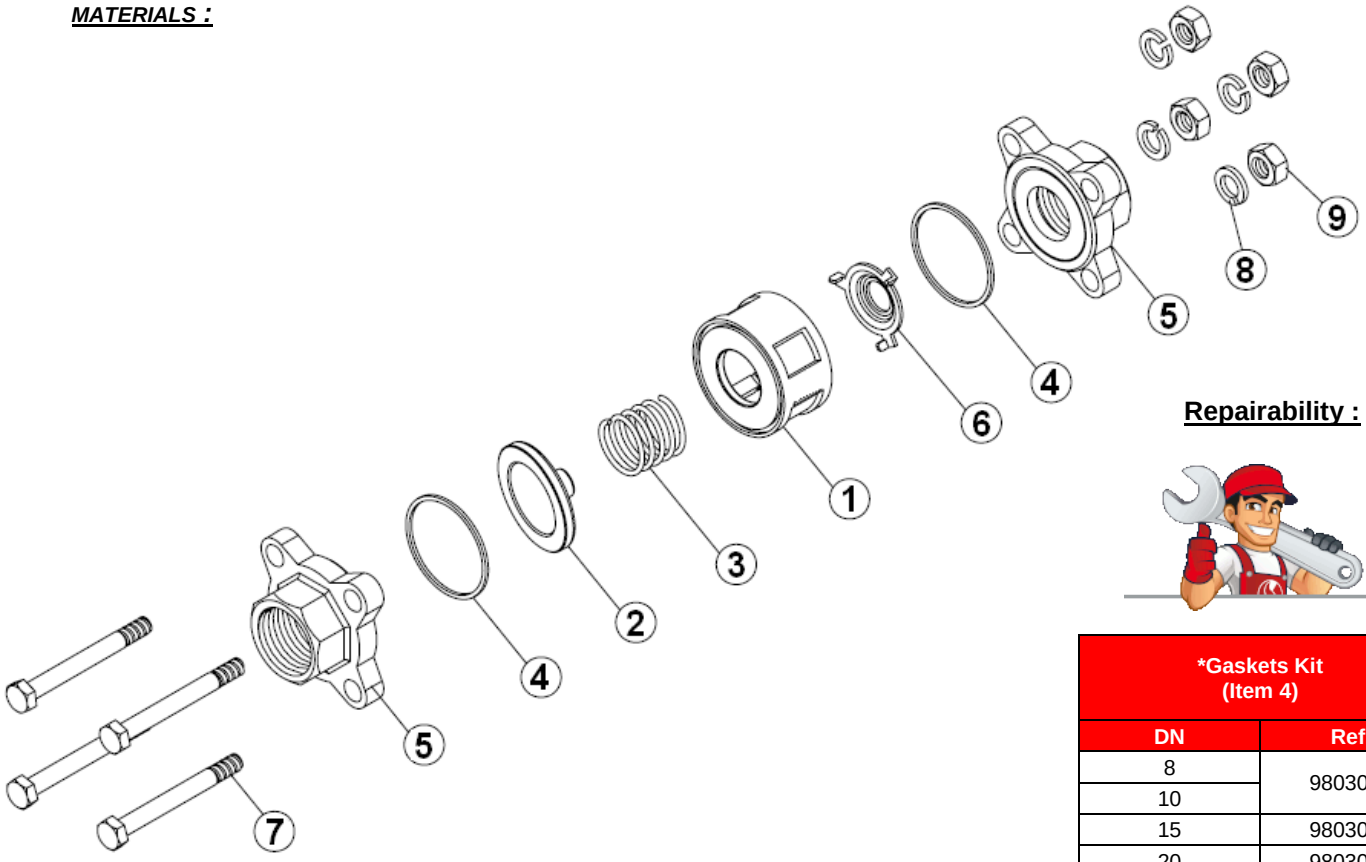
| DN | 8 | 10 | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Torque ( Nm ) | 30 | 30 | 30 | 30 | 45 | 45 | 45 | 60 | 75 | 90 | 105 |

***RANGE :***

- 3 pieces disc check valve SW **Ref. 382** from DN8 to DN100

# STAINLESS STEEL 3 PIECES DISC CHECK VALVE SW

***MATERIALS :***




**Repairability :**



| *Gaskets Kit (Item 4) | |
|---|---|
| **DN** | **Ref.** |
| 8 | 9803023 |
| 10 | |
| 15 | 9803024 |
| 20 | 9803025 |
| 25 | 9803026 |
| 32 | 9803027 |
| 40 | 9803028 |
| 50 | 9803029 |
| 65 | 9803030 |
| 80 | 9803031 |
| 100 | 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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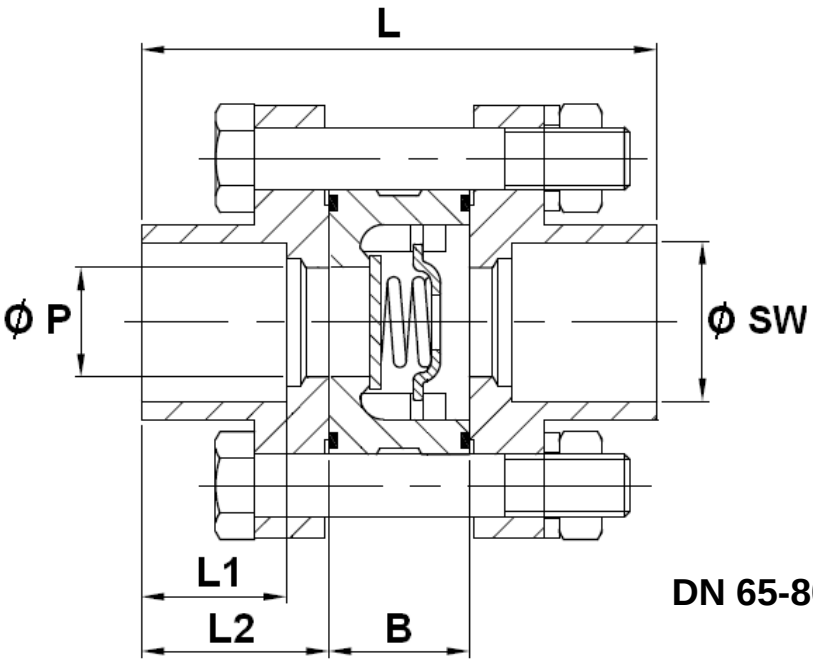
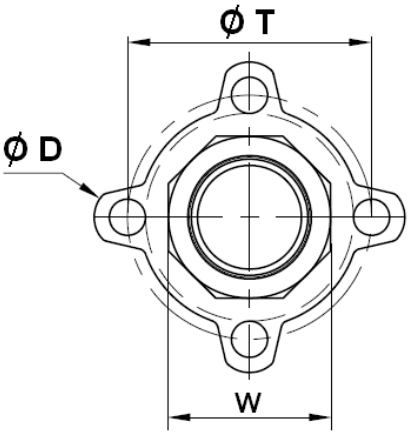
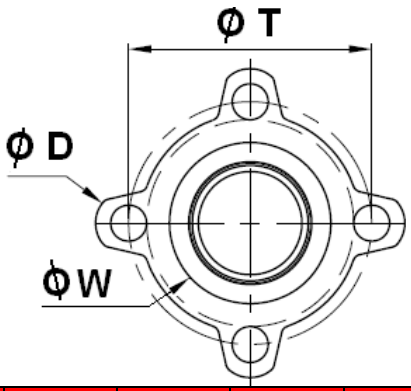
***SIZE ( in mm ) :***



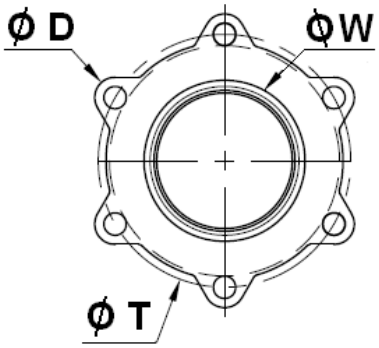

**DN 8–50 :**




**DN 65-80 :**




**DN 100 :**




| DN | 8 | 10 | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | 15.5 | 16.5 | 12.5 | 14.1 | 15.7 | 17.7 | 19.5 | 22 | 26.3 | 28.7 | 37.5 |
| 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 |
| W | 22 | 22 | 26 | 32 | 39 | 49 | 56 | 69 | 83 | 100 | 122.5 |
| Ø SW | 14.2 | 17.5 | 21.8 | 27.4 | 34.1 | 42.7 | 49 | 61 | 77 | 90.2 | 115.3 |
| Ø T | 36.5 | 36.5 | 42.7 | 51.7 | 58.7 | 72.7 | 83.7 | 98.7 | 129 | 153.5 | 186.5 |
| Weight (in Kg) | 0.25 | 0.23 | 0.35 | 0.5 | 0.71 | 1.3 | 1.7 | 2.36 | 3.95 | 6.19 | 10.13 |
| Ref. | 382008 | 382010 | 382015 | 382020 | 382025 | 382032 | 382040 | 382050 | 382065 | 382080 | 382100 |

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# STAINLESS STEEL 3 PIECES DISC CHECK VALVE SW

***STANDARDS :***

- Manufacturer certified ISO 9001 : 2015 and ISO 14001 :2015
- DIRECTIVE 2014/68/EU : For liquids and gas of Group 1
  - DN8-25 : Article 4, §3 (SEP), no CE marking
  - DN32-100 : 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
- SW ends according to DIN 3239-2 standard
- SW ends according to ASME B16.11 standard (excepted DN65)
- 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 DN8 to 50**
- Check valve in accordance with the regulation **(EC) N° 1935-2004 on request**