

One for All - Unique Mixproof

Alfa Laval Unique Mixproof Valve

Concept

The Unique Mixproof Valve is designed with user flexibility in mind. The customer can choose additional options as required individually; for example higher hygiene demands or higher resistance against physically tough conditions. Please see next page for a graphic overview of the modularity of the Unique Mixproof Valve.

Working Principle

Unique is remote-controlled by means of compressed air. The valve is a normally closed (NC) valve. The valve has two independent plug seals, forming a leakage chamber between them under atmospheric pressure during every working condition. In case of rare accidental leaking of product, this will flow into the leakage chamber and be discharged through the leakage outlet. When the valve is open, the leakage chamber is closed. The product can then flow from one line to the other. The valve can be cleaned and water hammer protected to any level according to the needs in the specific process (see next page). There is virtually no spillage of product when operating the valve.



TECHNICAL DATA

Max. product pressure: 1000 kPa (10 bar)
 Min. product pressure: Full vacuum.
 Temperature range: -5°C to +125°C (Depending on rubber quality)
 Air pressure: Max. 800 kPa (8 bar).



PHYSICAL DATA

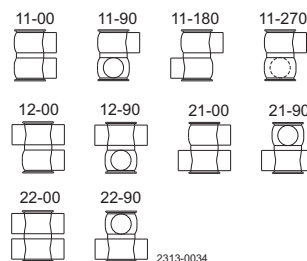
Product wetted steel parts: 1.4404 (316L).
 Other steel parts: 1.4301 (304).

Surface finish choose from the following:
 Internal/external semi-bright Ra< 1.6
 Internal Bright (polished) Ra< 0.8
 Internal/external Bright (internal polished) . . . Ra< 0.8
Note! The Ra values are only for the internal surface.

Product wetted seals: EPDM.

Other seals:
 CIP seals: EPDM.
 Actuator seals: NBR.
 Guide strips: PTFE

Valve body combination



Valve body combinations, example: type 11-00

- 1 Number of ports - lower valve body
- 1 Number of ports - upper valve body
- 00 Angle between ports

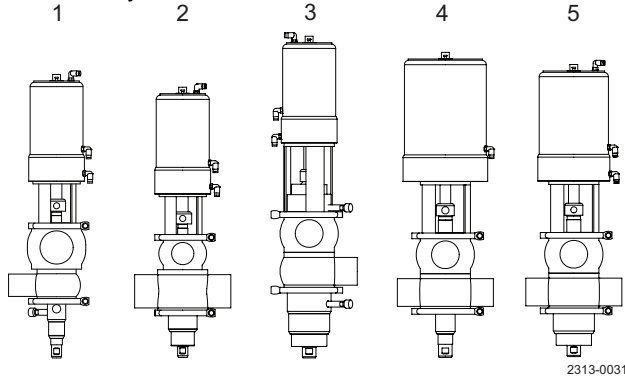
SpiralClean

The Alfa Laval SpiralClean system to clean the upper and lower balanced plugs and leakage chamber. The system cleans more efficiently, uses less cleaning fluid by ensuring that a directional flow of CIP fluid reaches all the surfaces in much less time than with conventional systems.

Selection guide

The drawings below give an overview of all options when choosing the valve to fit your process, thus demonstrating the actual flexibility of the Unique Mixproof Valve.

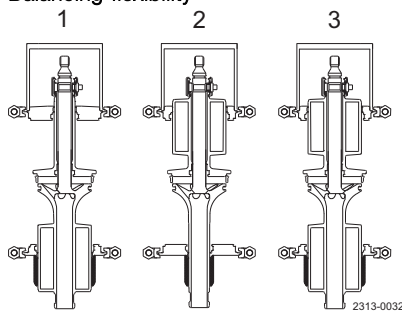
Size flexibility



The Unique Mixproof concept offers balanced and unbalanced plugs, seat lift, CIP for the plugs and leakage chambers and any combination in between.

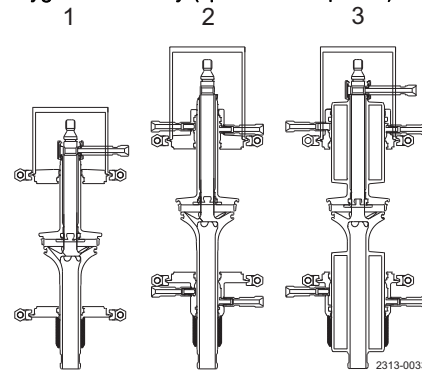
1. ISO 51 (2")/ISO 76.1 (3"), 11-90, with spiral clean on lower unbalanced plug, group 3 basic actuator incl. seat lift and seat push
2. ISO 76.1(3")/ISO 51 (2"), 22-90, with lower balanced plug, basic actuator incl. seat lift and seat push
3. ISO 76.1(3")/ISO 51 (2"), 22-90, with lower balanced plug, basic actuator incl. seat lift and seat push
4. ISO 63.5 (2½"), 22-90, with spiral clean on leakage chamber, unbalanced plugs, group 5 basic actuator
5. ISO 63.5 (2½"), 22-90, with lower balanced plug, group 4 basic actuator incl. seat lift and seat push

Balancing flexibility



1. Lower balanced plug
2. Upper balanced plug
3. Upper and lower balanced plugs

Hygienic flexibility (spiral clean options)



1. External CIP of leakage chamber
2. External CIP of leakage chamber, upper and lower unbalanced plug
3. External CIP of leakage chamber, upper and lower balanced plug

Standard configurations

To assist you in the selection we have included some standard configurations:

- Unique Basic
- Unique SeatClean
- Unique HighClean
- Unique UltraClean

You can either choose these directly or add additional features ensuring that the valve suits your specific needs.

Unique Basic has the basic components, providing significant safety and leakage detection.

- Actuator without seatlift.
- Unbalanced plugs.
- No SpiralClean of leakage chamber or plugs.

Unique SeatClean meets the typical demands of a process valve in the food and drink industry.

- Actuator with seat lift integrated.
- Balanced lower plug, Unbalanced upper plug.
- No SpiralClean of leakage chamber or plugs.

Unique HighClean is sure to meet your processing needs when dealing with sticky products or if no recontamination can be accepted at all.

- Actuator without seatlift integrated.
- Balanced lower and upper plug.
- SpiralClean of leakage chamber as well as of upper and lower plug.

Unique UltraClean meets the highest demands for hygienic processing. It has:

- Actuator with seat lift integrated.
- Balanced lower and upper plug.
- SpiralClean of leakage chamber, upper and lower plug.

Options

- Male parts or clamp liners in accordance with required standard.
- Control and Indication: IndiTop, ThinkTop or ThinkTop Basic.
- Side indication for detection of upper seat lift
- Product wetted seals in HNBR, NBR or FPM
- Various internal/external surface finish
- 3A (hygienic standard) on request
- Mixed housing

Pressure drop/capacity diagrams

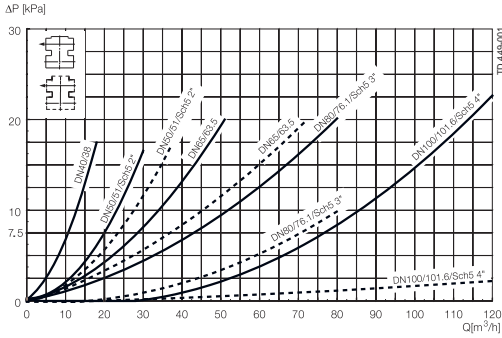


Fig. 3. Pressure drop/capacity diagram, upper body.
Full lines: Balanced upper plug.
Dotted lines: Unbalanced upper plug.

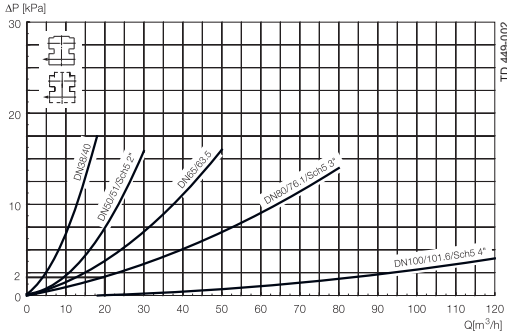


Fig. 4. Pressure drop/capacity diagram, lower body, balanced and unbalanced lower plugs.

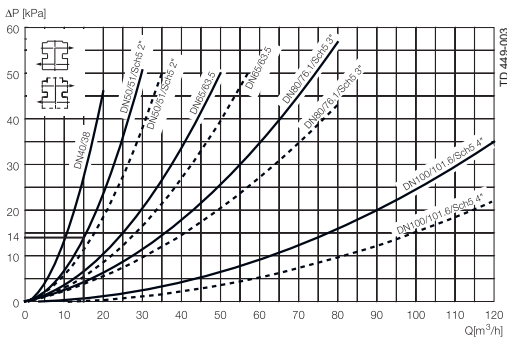


Fig. 5. Pressure drop/capacity diagram, between bodies.
Full lines: Balanced.
Dotted lines: Unbalanced.

Note! For the diagrams the following applies:

- Medium: Water (20°C).
- Measurement: In accordance with VDI 2173.

Example to determine pressure drop:

Upper body size:DN/OD 51mm. Balanced upper plug.
 Capacity = 20 m³/h.
 Lower body size:DN/OD 76.1mm. Balanced lower plug.
 Capacity = 20 m³/h.
 Between bodies:Capacity = 15 m³/h

Result:

From fig. 3, Δp = 7.5 kPa through upper body.

From fig. 4, Δp = 2 kPa through lower body.

From fig. 5, Δp = 14 kPa seeing that:

1. The smallest body determines the curve for Δp between bodies.
2. Always choose the curve for balanced plugs if upper plug is balanced. If only lower plug is balanced, always choose the curve for unbalanced.

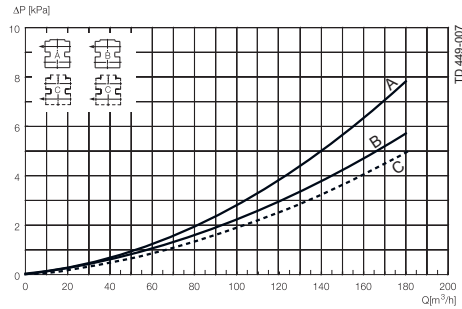


Fig.6 Pressure drop/capacity diagram, through bodies DN 125, DN 150
A: Balanced upper plug
B: Unbalanced upper plug
C: Balanced and unbalanced lower plug

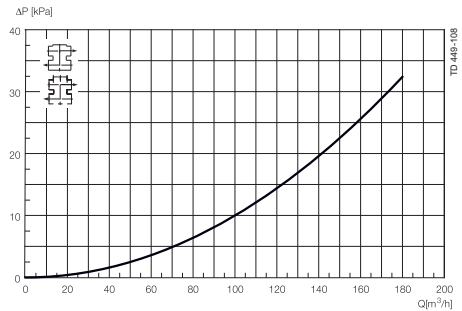


Fig.7 Pressure drop/capacity diagram between bodies
Balanced and unbalanced plugs, DN 125, DN 150

| Size ISO/DIN | DN/OD | | | | | | DN | | | | | |
|--|-------|------|------|------|-------|------|------|------|------|------|------|------|
| | 38 | 51 | 63.5 | 76.1 | 101.6 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
| Kv-value | | | | | | | | | | | | |
| Upper Seat-lift [m³/h] | 1.5 | 1.5 | 2.5 | 2.5 | 3.1 | 1.5 | 1.5 | 2.5 | 2.5 | 3.1 | 3.7 | 3.7 |
| Lower Seat-lift [m³/h] | 0.9 | 0.9 | 1.9 | 1.9 | 2.5 | 0.9 | 0.9 | 1.9 | 1.9 | 2.5 | 3.1 | 3.1 |
| Air consumption | | | | | | | | | | | | |
| Upper Seat-lift * [n litre] | 0.2 | 0.2 | 0.4 | 0.4 | 0.62 | 0.2 | 0.2 | 0.4 | 0.4 | 0.62 | 0.62 | 0.62 |
| Lower Seat-lift * [n litre] | 1.1 | 1.1 | 0.13 | 0.13 | 0.21 | 1.1 | 1.1 | 0.13 | 0.13 | 0.21 | 0.21 | 0.21 |
| Main Movement * [n litre] | 0.86 | 0.86 | 1.63 | 1.63 | 2.79 | 0.86 | 0.86 | 1.62 | 1.62 | 2.79 | 2.79 | 2.79 |
| Kv-value - SpiralClean | | | | | | | | | | | | |
| Spindle CIP [m³/h] | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 |
| External CIP of leakage chamber [m³/h] | 0.25 | 0.25 | 0.29 | 0.29 | 0.29 | 0.25 | 0.25 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |

TD900074-1

Note

* [n litre] = volume at atmospheric pressure

Recommended min. pressure for SpiralClean: 2 bar.

Formula to estimate CIP flow during seat lift:

(for liquids with comparable viscosity and density to water):

$$Q = K_v \cdot \sqrt{\Delta p}$$

$$Q = \text{CIP - flow (m}^3\text{/h)}$$

K_v = K_v value from the above table.

$$\Delta p = \text{CIP pressure (bar)}$$

Actuator

| Configurator Code (Ordering leaflet) | STD | | | | | STD/STD* | | |
|---|--------------|------------------|------------------|--------------|--------------|--|----------|---------|
| | 2 | 3 | 4 | 5 | 6 | Operating pressure for Basic at 6 bar air pressure | | |
| Actuator Type | 3 | 4BS ¹ | 4SS ² | 5BS | 5SS | Operating pressure for SeatClean, High Clean and Ultra Clean at 6 bar air pressure | | |
| Actuator dimensions øD x L | 120 x 230 | 157 x 252 | 186 x 281 | 186 x 281 | 186 x 379 | | | |
| Connection Size | | | | | | | | |
| ISO (DN/OD) | DIN (DN) | | | | | | | |
| 38 | 40 | STD | OP | | | 1000 kPa | 600 kPa | |
| 51 | 50 | STD | OP | OP | | | 1000 kPa | 600 kPa |
| 63.5 | 65 | OP | STD | STD* | OP | OP | 1000 kPa | 600 kPa |
| 76.1 | 80 | OP | STD | STD* | OP | OP | 1000 kPa | 600 kPa |
| 101.6 | 100 | OP | | OP | STD | STD* | 1000 kPa | 600 kPa |
| | 125 | OP | OP | STD | STD* | 800 kPa | | 600 kPa |

STD: Normal size of actuator

STD*: Normal size actuator if lower plug is UNBALANCED

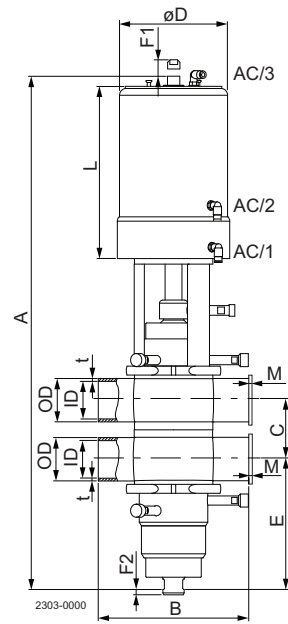
OP: Alternative size of actuator (NB: For choice and performance of optional actuators please contact Alfa Laval or refer to the Anytime Configurator).

1 BS = Basic spring

2 SS = Strong spring

Radial Seat Diameter

| ISO (DN/OD) | DIN (DN) | Seat |
|-------------|----------|--------|
| 38 | 40 | ø53.3 |
| 51 | 50 | ø53.3 |
| 63.5 | 65 | ø81.3 |
| 76.1 | 80 | ø81.3 |
| 101.6 | 100 | ø100.3 |
| | 125 | ø115.3 |
| | 150 | ø115.3 |



Note for mixed bodies:

1. The seat always applies to the smallest valve body.
2. Dimension B is equal with the largest valve body size.

Dimensions (mm)

| ISO/DIN | Size | DN/OD | | | | | | | | DN | | | |
|--|------|-------|------|------|------|-------|------|------|-----|-----|-----|------|-------|
| | | 38 | 51 | 63.5 | 76.1 | 101.6 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
| *A - BasicClean | | 530 | 575 | 699 | 699 | 899 | 530 | 575 | 699 | 699 | 899 | 993 | 993 |
| *A - SeatClean | | 530 | 575 | 670 | 670 | 791 | 530 | 575 | 670 | 670 | 791 | 895 | 895 |
| *A - HighClean + UltraClean | | 611 | 656 | 760 | 760 | 922 | 611 | 656 | 760 | 760 | 922 | 1026 | 1026 |
| B | | 170 | 220 | 220 | 220 | 300 | 170 | 220 | 220 | 220 | 300 | 300 | 300 |
| **C | | 60.8 | 73.8 | 86.3 | 98.9 | 123.6 | 64 | 76 | 92 | 107 | 126 | 151 | 176 |
| OD | | 38 | 51 | 63.5 | 76.1 | 101.6 | 41 | 53 | 70 | 85 | 104 | 129 | 154 |
| ID | | 34.8 | 47.8 | 60.3 | 72.9 | 97.6 | 38 | 50 | 66 | 81 | 100 | 125 | 150 |
| t | | 1.6 | 1.6 | 1.6 | 1.6 | 2.0 | 1.5 | 1.5 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| E - Basic/SeatClean | | 100 | 121 | 149 | 142 | 177 | 99 | 119 | 146 | 138 | 176 | 215 | 202.5 |
| E - HighClean/UltraClean | | 144 | 165 | 200 | 193 | 248 | 143 | 163 | 197 | 189 | 247 | 286 | 273.5 |
| F1 | | 31.5 | 31.5 | 38 | 38 | 59 | 31.5 | 31.5 | 38 | 38 | 59 | 59 | 59 |
| F2 | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| øD - Basic | | 120 | 120 | 186 | 186 | 186 | 120 | 120 | 186 | 186 | 186 | 186 | 186 |
| øD - SeatClean, HighClean and UltraClean | | 120 | 120 | 157 | 157 | 186 | 120 | 120 | 157 | 157 | 186 | 186 | 186 |
| L - Basic | | 230 | 230 | 281 | 281 | 379 | 230 | 230 | 281 | 281 | 379 | 379 | 379 |
| L - SeatClean, HighClean and UltraClean | | 230 | 230 | 252 | 252 | 281 | 230 | 230 | 252 | 252 | 281 | 281 | 281 |
| M/ISO clamp | | 21 | 21 | 21 | 21 | 21 | | | | | | | |
| M/DIN clamp | | | | | | | 21 | 21 | 21 | 21 | 21 | 28 | 28 |
| M/ISO male | | 21 | 21 | 21 | 21 | 21 | | | | | | | |
| M/DIN male | | | | | | | 22 | 23 | 25 | 25 | 30 | 46 | 50 |
| M/SMS male | | 20 | 20 | 24 | 24 | 35 | | | | | | | |
| M/BS male | | 22 | 22 | 22 | 22 | 27 | | | | | | | |
| Weight (kg) - Basic | | 13.5 | 15 | 24 | 24 | 34 | 13.5 | 15 | 24 | 24 | 34 | 44 | 45 |
| Weight (kg) - SeatClean | | 13.5 | 15 | 24 | 24 | 34 | 13.5 | 15 | 24 | 24 | 34 | 47 | 48 |
| Weight (kg) - High-/UltraClean | | 14.5 | 16 | 27 | 27 | 38 | 14.5 | 16 | 27 | 27 | 38 | 51 | 52 |

TD900074-1

Note! * For the A-measure if different upper/lower body sizes, please refer to Anytime configurator or contact Alfa Laval..

** The measure C can always be calculated by the formula $C = \frac{1}{2}ID_{upper} + \frac{1}{2}ID_{lower} + 26$ mm.

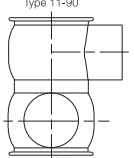
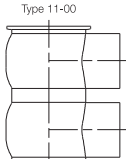
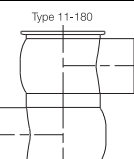
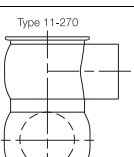
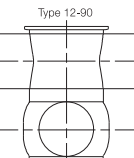
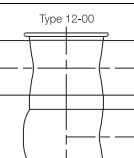
Double seat valves

Unique Basic

Air-operated valves
 No seat lift
 No SpiralClean
 Unbalanced plugs
 Product code: 5256

Material: 1.4404 (316L)
 Connection: ISO/DIN Welding ends
 Seals: EPDM
 Inside surface finish: Ra ≤ 1.6 µm
 Outside surface finish: Blasted
 Actuation: Pneumatic NC

2.6

| Item No. | PPL EUR | Size DN/OD | Item No. | PPL EUR | Size DN | Port Angle | Body combination |
|-------------|-------------|---------------|------------|--------------|------------|------------|---|
| Inch | | DIN | | | | | 11-2 Ports |
| 9613000018 | 3310 | 38 | 9613000028 | 3310 | DN40 | 90° |  |
| 9613000019 | 3489 | 51 | 9613000029 | 3489 | DN50 | 90° | |
| 9613000020 | 4522 | 63.5 | 9613000030 | 4522 | DN65 | 90° | |
| 9613000021 | 5257 | 76.1 | 9613000031 | 5257 | DN80 | 90° | |
| 9613103001 | 7921 | 101.6 | 9613103003 | 7921 | DN100 | 90° | |
| | | | 9613000033 | 8126 | DN125 | 90° | |
| | | | 9613000034 | 9885 | DN150 | 90° | |
| 9613000001 | 3310 | 38 | 9613000011 | 3310 | DN40 | 00° |  |
| 9613000002 | 3489 | 51 | 9613000012 | 3489 | DN50 | 00° | |
| 9613000003 | 4522 | 63.5 | 9613000013 | 4522 | DN65 | 00° | |
| 9613000004 | 5257 | 76.1 | 9613000014 | 5257 | DN80 | 00° | |
| 9613102998 | 7921 | 101.6 | 9613103000 | 7921 | DN100 | 00° | |
| | | | 9613000016 | 8126 | DN125 | 00° | |
| | | | 9613000017 | 9885 | DN150 | 00° | |
| 9613000035 | 3310 | 38 | 9613000045 | 3310 | DN40 | 180° |  |
| 9613000036 | 3489 | 51 | 9613000046 | 3489 | DN50 | 180° | |
| 9613000037 | 4522 | 63.5 | 9613000047 | 4522 | DN65 | 180° | |
| 9613000038 | 5257 | 76.1 | 9613000048 | 5257 | DN80 | 180° | |
| 9613103004 | 7921 | 101.6 | 9613103006 | 7921 | DN100 | 180° | |
| | | | 9613000050 | 8126 | DN125 | 180° | |
| | | | 9613000051 | 9885 | DN150 | 180° | |
| 9613000052 | 3310 | 38 | 9613000062 | 3310 | DN40 | 270° |  |
| 9613000053 | 3489 | 51 | 9613000063 | 3489 | DN50 | 270° | |
| 9613000054 | 4522 | 63.5 | 9613000064 | 4522 | DN65 | 270° | |
| 9613000055 | 5257 | 76.1 | 9613000065 | 5257 | DN80 | 270° | |
| 9613103007 | 7921 | 101.6 | 9613103009 | 7921 | DN100 | 270° | |
| | | | 9613000067 | 8126 | DN125 | 270° | |
| | | | 9613000068 | 9885 | DN150 | 270° | |
| | | | | | | | 12-3 Ports |
| 9613000086 | 3437 | 38 | 9613000096 | 3437 | DN40 | 90° |  |
| 9613000087 | 3620 | 51 | 9613000097 | 3620 | DN50 | 90° | |
| 9613000088 | 4691 | 63.5 | 9613000098 | 4691 | DN65 | 90° | |
| 9613000089 | 5449 | 76.1 | 9613000099 | 5449 | DN80 | 90° | |
| 9613103013 | 8225 | 101.6 | 9613103015 | 8225 | DN100 | 90° | |
| | | | 9613000102 | 9135 | DN125 | 90° | |
| | | | 9613000103 | 10801 | DN150 | 90° | |
| 9613000069 | 3437 | 38 | 9613000079 | 3437 | DN40 | 00° |  |
| 9613000070 | 3620 | 51 | 9613000080 | 3620 | DN50 | 00° | |
| 9613000071 | 4691 | 63.5 | 9613000081 | 4691 | DN65 | 00° | |
| 9613000072 | 5449 | 76.1 | 9613000082 | 5449 | DN80 | 00° | |
| 9613103010 | 8225 | 101.6 | 9613103012 | 8225 | DN100 | 00° | |
| | | | 9613000084 | 9135 | DN125 | 00° | |
| | | | 9613000085 | 10801 | DN150 | 00° | |

For further information - please see PD-sheet.

Unique Basic

Double seat valves

Air-operated valves
 No seat lift
 No SpiralClean
 Unbalanced plugs
 Product code: 5256

Material: 1.4404 (316L)
 Connection: ISO/DIN Welding ends
 Seals: EPDM
 Inside surface finish: Ra ≤ 1.6 μm
 Outside surface finish: Blasted
 Actuation: Pneumatic NC

2.6

| Item No. | PPL EUR | Size DN/OD | Item No. | PPL EUR | Size DN | Port Angle | Body combination |
|-------------|-------------|---------------|------------|--------------|------------|---------------|-------------------|
| Inch | | | DIN | | | | 21-3 Ports |
| 9613000121 | 3437 | 38 | 9613000131 | 3437 | DN40 | 90° | <p>Type 21-90</p> |
| 9613000122 | 3620 | 51 | 9613000132 | 3620 | DN50 | 90° | |
| 9613000123 | 4690 | 63.5 | 9613000133 | 4690 | DN65 | 90° | |
| 9613000124 | 5449 | 76.1 | 9613000134 | 5449 | DN80 | 90° | |
| 9613103019 | 8225 | 101.6 | 9613103021 | 8225 | DN100 | 90° | |
| | | | 9613000136 | 9136 | DN125 | 90° | |
| | | | 9613000137 | 10802 | DN150 | 90° | |
| 9613000104 | 3437 | 38 | 9613000114 | 3437 | DN40 | 00° | <p>Type 21-00</p> |
| 9613000105 | 3620 | 51 | 9613000115 | 3620 | DN50 | 00° | |
| 9613000106 | 4690 | 63.5 | 9613000116 | 4690 | DN65 | 00° | |
| 9613000107 | 5449 | 76.1 | 9613000117 | 5449 | DN80 | 00° | |
| 9613103016 | 8225 | 101.6 | 9613103018 | 8225 | DN100 | 00° | |
| | | | 9613000119 | 9136 | DN125 | 00° | |
| | | | 9613000120 | 10802 | DN150 | 00° | |
| | | | | | | | 22-4 Ports |
| 9613000155 | 3564 | 38 | 9613000165 | 3564 | DN40 | 90° | <p>Type 22-90</p> |
| 9613000156 | 3752 | 51 | 9613000166 | 3752 | DN50 | 90° | |
| 9613000157 | 4859 | 63.5 | 9613000167 | 4859 | DN65 | 90° | |
| 9613000158 | 5640 | 76.1 | 9613000168 | 5640 | DN80 | 90° | |
| 9613103025 | 8528 | 101.6 | 9613103027 | 8528 | DN100 | 90° | |
| | | | 9613000170 | 10146 | DN125 | 90° | |
| | | | 9613000171 | 11717 | DN150 | 90° | |
| 9613000138 | 3564 | 38 | 9613000148 | 3564 | DN40 | 00° | <p>Type 22-00</p> |
| 9613000139 | 3752 | 51 | 9613000149 | 3752 | DN50 | 00° | |
| 9613000140 | 4859 | 63.5 | 9613000150 | 4859 | DN65 | 00° | |
| 9613000141 | 5640 | 76.1 | 9613000151 | 5640 | DN80 | 00° | |
| 9613103022 | 8528 | 101.6 | 9613103024 | 8528 | DN100 | 00° | |
| | | | 9613000153 | 10146 | DN125 | 00° | |
| | | | 9613000154 | 11717 | DN150 | 00° | |

For further information - please see PD-sheet.

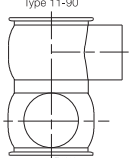
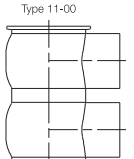
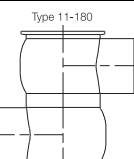
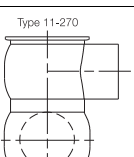
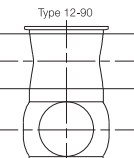
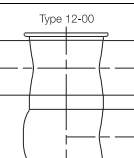
Double seat valves

Unique SeatClean

Air-operated valves
 Upper and lower seat lift
 No SpiralClean
 Balanced lower plug
 Product code: 5256

Material: 1.4404 (316L)
 Connection: ISO/DIN Welding ends
 Seals: EPDM
 Inside surface finish: Ra ≤ 1.6 µm
 Outside surface finish: Blasted
 Actuation: Pneumatic NC

2.6

| Item No. | PPL EUR | Size DN/OD | Item No. | PPL EUR | Size DN | Port Angle | Body combination |
|-------------|-------------|---------------|------------|--------------|------------|------------|---|
| Inch | | | DIN | | | | 11-2 Ports |
| 9613003144 | 3948 | 38 | 9613003145 | 3948 | DN40 | 90° |  |
| 9613000985 | 4634 | 51 | 9613000994 | 4634 | DN50 | 90° | |
| 9613000986 | 5667 | 63.5 | 9613000995 | 5667 | DN65 | 90° | |
| 9613000987 | 6402 | 76.1 | 9613000996 | 6402 | DN80 | 90° | |
| 9613103181 | 9066 | 101.6 | 9613103183 | 9066 | DN100 | 90° | |
| | | | 9613000998 | 9655 | DN125 | 90° | |
| | | | 9613000999 | 11414 | DN150 | 90° | |
| 9613003142 | 3948 | 38 | 9613003143 | 3948 | DN40 | 00° |  |
| 9613000970 | 4634 | 51 | 9613000979 | 4634 | DN50 | 00° | |
| 9613000971 | 5667 | 63.5 | 9613000980 | 5667 | DN65 | 00° | |
| 9613000972 | 6402 | 76.1 | 9613000981 | 6402 | DN80 | 00° | |
| 9613103178 | 9066 | 101.6 | 9613103180 | 9066 | DN100 | 00° | |
| | | | 9613000983 | 9655 | DN125 | 00° | |
| | | | 9613000984 | 11414 | DN150 | 00° | |
| 9613003146 | 3948 | 38 | 9613003147 | 3948 | DN40 | 180° |  |
| 9613001001 | 4634 | 51 | 9613001010 | 4634 | DN50 | 180° | |
| 9613001002 | 5667 | 63.5 | 9613001011 | 5667 | DN65 | 180° | |
| 9613001003 | 6402 | 76.1 | 9613001012 | 6402 | DN80 | 180° | |
| 9613103184 | 9066 | 101.6 | 9613103186 | 9066 | DN100 | 180° | |
| | | | 9613001014 | 9655 | DN125 | 180° | |
| | | | 9613001015 | 11414 | DN150 | 180° | |
| 9613003148 | 3948 | 38 | 9613003149 | 3948 | DN40 | 270° |  |
| 9613001016 | 4634 | 51 | 9613001025 | 4634 | DN50 | 270° | |
| 9613001017 | 5667 | 63.5 | 9613001026 | 5667 | DN65 | 270° | |
| 9613001018 | 6402 | 76.1 | 9613001027 | 6402 | DN80 | 270° | |
| 9613103187 | 9066 | 101.6 | 9613103189 | 9066 | DN100 | 270° | |
| | | | 9613001029 | 9655 | DN125 | 270° | |
| | | | 9613001030 | 11414 | DN150 | 270° | |
| | | | | | | | 12-3 Ports |
| 9613003152 | 4075 | 38 | 9613003153 | 4075 | DN40 | 90° |  |
| 9613001046 | 4766 | 51 | 9613001055 | 4766 | DN50 | 90° | |
| 9613001047 | 5836 | 63.5 | 9613001056 | 5836 | DN65 | 90° | |
| 9613001048 | 6594 | 76.1 | 9613001057 | 6594 | DN80 | 90° | |
| 9613103193 | 9370 | 101.6 | 9613103195 | 9370 | DN100 | 90° | |
| | | | 9613001059 | 10665 | DN125 | 90° | |
| | | | 9613001060 | 12330 | DN150 | 90° | |
| 9613003150 | 4075 | 38 | 9613003151 | 4075 | DN40 | 00° |  |
| 9613001031 | 4766 | 51 | 9613001040 | 4766 | DN50 | 00° | |
| 9613001032 | 5836 | 63.5 | 9613001041 | 5836 | DN65 | 00° | |
| 9613001033 | 6594 | 76.1 | 9613001042 | 6594 | DN80 | 00° | |
| 9613103190 | 9370 | 101.6 | 9613103192 | 9370 | DN100 | 00° | |
| | | | 9613001044 | 10665 | DN125 | 00° | |
| | | | 9613001045 | 12330 | DN150 | 00° | |

For further information - please see PD-sheet.

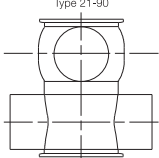
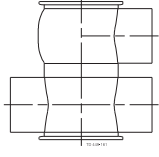
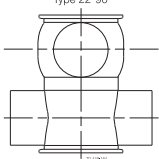
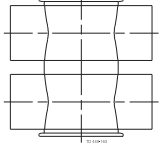
Unique SeatClean

Double seat valves

Air-operated valves
 No SpiralClean
 Balanced lower plug
 Upper and lower seat lift
 Product code: 5256

Material: 1.4404 (316L)
 Connection: ISO/DIN Welding ends
 Seals: EPDM
 Inside surface finish: Ra ≤ 1.6 µm
 Outside surface finish: Blasted
 Actuation: Pneumatic NC

2.6

| Item No. | PPL EUR | Size DN/OD | Item No. | PPL EUR | Size DN | Port Angle | Body combination |
|-------------|-------------|---------------|------------|--------------|------------|------------|---|
| Inch | | | DIN | | | | 21-3 Ports |
| 9613003156 | 4075 | 38 | 9613003157 | 4075 | DN40 | 90° |  |
| 9613001076 | 4766 | 51 | 9613001085 | 4766 | DN50 | 90° | |
| 9613001077 | 5835 | 63.5 | 9613001086 | 5835 | DN65 | 90° | |
| 9613001078 | 6594 | 76.1 | 9613001087 | 6594 | DN80 | 90° | |
| 9613103199 | 9370 | 101.6 | 9613103201 | 9370 | DN100 | 90° | |
| | | | 9613001089 | 10666 | DN125 | 90° | |
| | | | 9613001090 | 12331 | DN150 | 90° | |
| 9613003154 | 4075 | 38 | 9613003155 | 4075 | DN40 | 00° |  |
| 9613001061 | 4766 | 51 | 9613001070 | 4766 | DN50 | 00° | |
| 9613001062 | 5835 | 63.5 | 9613001071 | 5835 | DN65 | 00° | |
| 9613001063 | 6594 | 76.1 | 9613001072 | 6594 | DN80 | 00° | |
| 9613103196 | 9370 | 101.6 | 9613103198 | 9370 | DN100 | 00° | |
| | | | 9613001074 | 10666 | DN125 | 00° | |
| | | | 9613001075 | 12331 | DN150 | 00° | |
| | | | | | | | 22-4 Ports |
| 9613003160 | 4201 | 38 | 9613003161 | 4201 | DN40 | 90° |  |
| 9613001107 | 4898 | 51 | 9613001116 | 4898 | DN50 | 90° | |
| 9613001108 | 6004 | 63.5 | 9613001117 | 6004 | DN65 | 90° | |
| 9613001109 | 6786 | 76.1 | 9613001118 | 6786 | DN80 | 90° | |
| 9613103205 | 9674 | 101.6 | 9613103207 | 9674 | DN100 | 90° | |
| | | | 9613001120 | 11675 | DN125 | 90° | |
| | | | 9613001121 | 13247 | DN150 | 90° | |
| 9613003158 | 4201 | 38 | 9613003159 | 4201 | DN40 | 00° |  |
| 9613001091 | 4898 | 51 | 9613001101 | 4898 | DN50 | 00° | |
| 9613001092 | 6004 | 63.5 | 9613001102 | 6004 | DN65 | 00° | |
| 9613001093 | 6786 | 76.1 | 9613001103 | 6786 | DN80 | 00° | |
| 9613103202 | 9674 | 101.6 | 9613103204 | 9674 | DN100 | 00° | |
| | | | 9613001105 | 11675 | DN125 | 00° | |
| | | | 9613001106 | 13247 | DN150 | 00° | |

For further information - please see PD-sheet.

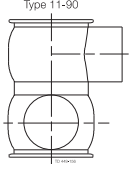
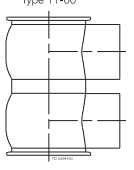
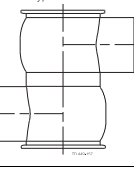
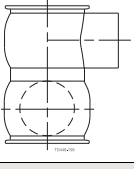
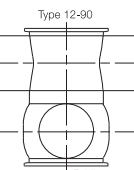
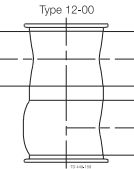
Double seat valves

Unique HighClean

Air-operated valves
 No seat lift
 SpiralClean of upper and lower spindle
 SpiralClean of leakage chamber
 Balanced upper and lower plugs
 Product code: 5256

Material: 1.4404 (316L)
 Connection: ISO/DIN Welding ends
 Seals: EPDM
 Inside surface finish: Ra ≤ 1.6 μm
 Outside surface finish: Blasted
 Actuation: Pneumatic NC

2.6

| Item No. | PPL EUR | Size DN/OD | Item No. | PPL EUR | Size DN | Port Angle | Body combination |
|------------|--------------|---------------|------------|--------------|------------|---------------|---|
| | | | DIN | | | | 11-2 Ports |
| 9613002927 | 4047 | 38 | 9613002937 | 4047 | DN40 | 90° |  |
| 9613002928 | 5296 | 51 | 9613002938 | 5296 | DN65 | 90° | |
| 9613002929 | 6329 | 63.5 | 9613002939 | 6329 | DN65 | 90° | |
| 9613002930 | 7065 | 76.1 | 9613002940 | 7065 | DN80 | 90° | |
| 9613103541 | 9728 | 101.6 | 9613103543 | 9728 | DN100 | 90° | |
| | | | 9613002942 | 10605 | DN125 | 90° | |
| | | | 9613002943 | 12364 | DN150 | 90° | |
| 9613002910 | 4047 | 38 | 9613002920 | 4047 | DN40 | 00° |  |
| 9613002911 | 5296 | 51 | 9613002921 | 5296 | DN50 | 00° | |
| 9613002912 | 6329 | 63.5 | 9613002922 | 6329 | DN65 | 00° | |
| 9613002913 | 7065 | 76.1 | 9613002923 | 7065 | DN80 | 00° | |
| 9613103538 | 9728 | 101.6 | 9613103540 | 9728 | DN100 | 00° | |
| | | | 9613002925 | 10605 | DN125 | 00° | |
| | | | 9613002926 | 12364 | DN150 | 00° | |
| 9613002944 | 4047 | 38 | 9613002954 | 4047 | DN40 | 180° |  |
| 9613002945 | 5296 | 51 | 9613002955 | 5296 | DN50 | 180° | |
| 9613002946 | 6329 | 63.5 | 9613002956 | 6329 | DN65 | 180° | |
| 9613002947 | 7065 | 76.1 | 9613002957 | 7065 | DN80 | 180° | |
| 9613103544 | 9728 | 101.6 | 9613103546 | 9728 | DN100 | 180° | |
| | | | 9613002959 | 10605 | DN125 | 180° | |
| | | | 9613002960 | 12364 | DN150 | 180° | |
| 9613002961 | 4047 | 38 | 9613002971 | 4047 | DN40 | 270° |  |
| 9613002962 | 5296 | 51 | 9613002972 | 5296 | DN50 | 270° | |
| 9613002963 | 6329 | 63.5 | 9613002973 | 6329 | DN65 | 270° | |
| 9613002964 | 7065 | 76.1 | 9613002974 | 7065 | DN80 | 270° | |
| 9613103547 | 9728 | 101.6 | 9613103549 | 9728 | DN100 | 270° | |
| | | | 9613002976 | 10605 | DN125 | 270° | |
| | | | 9613002977 | 12364 | DN150 | 270° | |
| | | | | | | | 12-3 Ports |
| 9613002995 | 4174 | 38 | 9613003006 | 4174 | DN40 | 90° |  |
| 9613002996 | 5428 | 51 | 9613003007 | 5428 | DN50 | 90° | |
| 9613002997 | 6498 | 63.5 | 9613003008 | 6498 | DN65 | 90° | |
| 9613002998 | 7256 | 76.1 | 9613003009 | 7256 | DN80 | 90° | |
| 9613103553 | 10032 | 101.6 | 9613103555 | 10032 | DN100 | 90° | |
| | | | 9613003011 | 11614 | DN125 | 90° | |
| | | | 9613003012 | 13280 | DN150 | 90° | |
| 9613002978 | 4174 | 38 | 9613002988 | 4174 | DN40 | 00° |  |
| 9613002979 | 5428 | 51 | 9613002989 | 5428 | DN50 | 00° | |
| 9613002980 | 6498 | 63.5 | 9613002990 | 6498 | DN65 | 00° | |
| 9613002981 | 7256 | 76.1 | 9613002991 | 7256 | DN80 | 00° | |
| 9613103550 | 10032 | 101.6 | 9613103552 | 10032 | DN100 | 00° | |
| | | | 9613002993 | 11614 | DN125 | 00° | |
| | | | 9613002994 | 13280 | DN150 | 00° | |

For further information - please see PD-sheet.

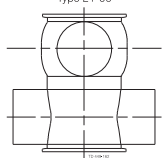
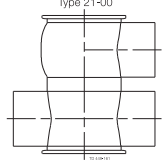
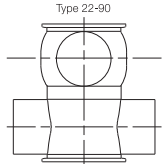
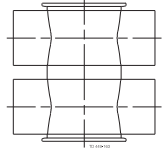
Unique HighClean

Double seat valves

Air-operated valves
 No seat lift
 SpiralClean of upper and lower spindle
 SpiralClean of leakage chamber
 Balanced upper and lower plugs
 Product code: 5256

Material: 1.4404 (316L)
 Connection: ISO/DIN Welding ends
 Seals: EPDM
 Inside surface finish: Ra ≤ 1.6 µm
 Outside surface finish: Blasted
 Actuation: Pneumatic NC

2.6

| Item No. | PPL EUR | Size DN/OD | Item No. | PPL EUR | Size DN | Port Angle | Body combination |
|-------------|------------|---------------|------------|------------|------------|---------------|---|
| Inch | | | DIN | | | | 21-3 Ports |
| 9613003030 | 4174 | 38 | 9613003040 | 4174 | DN40 | 90° |  |
| 9613003031 | 5428 | 51 | 9613003041 | 5428 | DN50 | 90° | |
| 9613003032 | 6497 | 63.5 | 9613003042 | 6497 | DN65 | 90° | |
| 9613003033 | 7256 | 76.1 | 9613003043 | 7256 | DN80 | 90° | |
| 9613103559 | 10032 | 101.6 | 9613103561 | 10032 | DN100 | 90° | |
| | | | 9613003045 | 11615 | DN125 | 90° | |
| 9613003046 | 13281 | DN150 | 90° | | | | |
| 9613003013 | 4174 | 38 | 9613003023 | 4174 | DN40 | 00° |  |
| 9613003014 | 5428 | 51 | 9613003024 | 5428 | DN50 | 00° | |
| 9613003015 | 6497 | 63.5 | 9613003025 | 6497 | DN65 | 00° | |
| 9613003016 | 7256 | 76.1 | 9613003026 | 7256 | DN80 | 00° | |
| 9613103556 | 10032 | 101.6 | 9613103558 | 10032 | DN100 | 00° | |
| | | | 9613003028 | 11615 | DN125 | 00° | |
| 9613003029 | 13281 | DN150 | 00° | | | | |
| | | | | | | | 22-4 Ports |
| 9613003064 | 4300 | 38 | 9613003074 | 4300 | DN40 | 90° |  |
| 9613003065 | 5560 | 51 | 9613003075 | 5560 | DN50 | 90° | |
| 9613003066 | 6666 | 63.5 | 9613003076 | 6666 | DN65 | 90° | |
| 9613003067 | 7448 | 76.1 | 9613003077 | 7448 | DN80 | 90° | |
| 9613103565 | 10336 | 101.6 | 9613103567 | 10336 | DN100 | 90° | |
| | | | 9613003079 | 12625 | DN125 | 90° | |
| 9613003080 | 14196 | DN150 | 90° | | | | |
| 9613003047 | 4300 | 38 | 9613003057 | 4300 | DN40 | 00° |  |
| 9613003048 | 5560 | 51 | 9613003058 | 5560 | DN50 | 00° | |
| 9613003049 | 6666 | 63.5 | 9613003059 | 6666 | DN65 | 00° | |
| 9613003050 | 7448 | 76.1 | 9613003060 | 7448 | DN80 | 00° | |
| 9613103562 | 10336 | 101.6 | 9613103564 | 10336 | DN100 | 00° | |
| | | | 9613003062 | 12625 | DN125 | 00° | |
| 9613003063 | 14196 | DN150 | 00° | | | | |

For further information - please see PD-sheet.

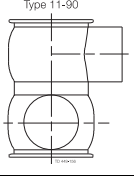
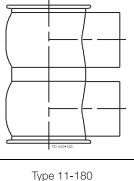
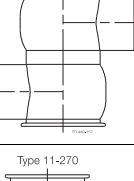
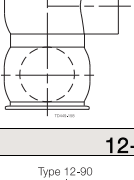
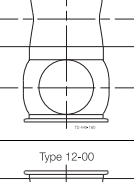
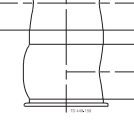
Double seat valves

Unique UltraClean

Air-operated valves
 Upper and lower seat lift
 SpiralClean of upper and lower spindle
 SpiralClean of leakage chamber
 Balanced upper and lower plugs
 Product code: 5256

Material: 1.4404 (316L)
 Connection: ISO/DIN Welding ends
 Seals: EPDM
 Inside surface finish: Ra ≤ 1.6 μm
 Outside surface finish: Blasted
 Actuation: Pneumatic NC

2.6

| Item No. | PPL EUR | Size DN/OD | Item No. | PPL EUR | Size DN | Port Angle | Body combination |
|-------------|--------------|---------------|------------|--------------|------------|---------------|---|
| Inch | | | DIN | | | | 11-2 Ports |
| 9613002755 | 4684 | 38 | 9613002765 | 4684 | DN40 | 90° |  |
| 9613002756 | 6061 | 51 | 9613002766 | 6061 | DN50 | 90° | |
| 9613002757 | 7094 | 63.5 | 9613002767 | 7094 | DN65 | 90° | |
| 9613002758 | 7829 | 76.1 | 9613002768 | 7829 | DN80 | 90° | |
| 9613103511 | 10493 | 101.6 | 9613103513 | 10493 | DN100 | 90° | |
| | | | 9613002770 | 11626 | DN125 | 90° | |
| 9613002771 | 13385 | | 9613002771 | 13385 | DN150 | 90° | |
| 9613002738 | 4684 | 38 | 9613002748 | 4684 | DN40 | 00° |  |
| 9613002739 | 6061 | 51 | 9613002749 | 6061 | DN50 | 00° | |
| 9613002740 | 7094 | 63.5 | 9613002750 | 7094 | DN65 | 00° | |
| 9613002741 | 7829 | 76.1 | 9613002751 | 7829 | DN80 | 00° | |
| 9613103508 | 10493 | 101.6 | 9613103510 | 10493 | DN100 | 00° | |
| | | | 9613002753 | 11626 | DN125 | 00° | |
| 9613002754 | 13385 | | 9613002754 | 13385 | DN150 | 00° | |
| 9613002772 | 4684 | 38 | 9613002782 | 4684 | DN40 | 180° |  |
| 9613002773 | 6061 | 51 | 9613002783 | 6061 | DN50 | 180° | |
| 9613002774 | 7094 | 63.5 | 9613002784 | 7094 | DN65 | 180° | |
| 9613002775 | 7829 | 76.1 | 9613002785 | 7829 | DN80 | 180° | |
| 9613103514 | 10493 | 101.6 | 9613103516 | 10493 | DN100 | 180° | |
| | | | 9613002787 | 11626 | DN125 | 180° | |
| 9613002788 | 13385 | | 9613002788 | 13385 | DN150 | 180° | |
| 9613002789 | 4684 | 38 | 9613002799 | 4684 | DN40 | 270° |  |
| 9613002790 | 6061 | 51 | 9613002801 | 6061 | DN50 | 270° | |
| 9613002791 | 7094 | 63.5 | 9613002802 | 7094 | DN65 | 270° | |
| 9613002792 | 7829 | 76.1 | 9613002803 | 7829 | DN80 | 270° | |
| 9613103517 | 10493 | 101.6 | 9613103519 | 10493 | DN100 | 270° | |
| | | | 9613002805 | 11626 | DN125 | 270° | |
| 9613002806 | 13385 | | 9613002806 | 13385 | DN150 | 270° | |
| | | | | | | | 12-3 Ports |
| 9613002824 | 4811 | 38 | 9613002834 | 4811 | DN40 | 90° |  |
| 9613002825 | 6192 | 51 | 9613002835 | 6192 | DN50 | 90° | |
| 9613002826 | 7263 | 63.5 | 9613002836 | 7263 | DN65 | 90° | |
| 9613002827 | 8021 | 76.1 | 9613002837 | 8021 | DN80 | 90° | |
| 9613103523 | 10796 | 101.6 | 9613103525 | 10796 | DN100 | 90° | |
| | | | 9613002839 | 12635 | DN125 | 90° | |
| 9613002840 | 14301 | | 9613002840 | 14301 | DN150 | 90° | |
| 9613002807 | 4811 | 38 | 9613002817 | 4811 | DN40 | 00° |  |
| 9613002808 | 6192 | 51 | 9613002818 | 6192 | DN50 | 00° | |
| 9613002809 | 7263 | 63.5 | 9613002819 | 7263 | DN65 | 00° | |
| 9613002810 | 8021 | 76.1 | 9613002820 | 8021 | DN80 | 00° | |
| 9613103520 | 10796 | 101.6 | 9613103522 | 10796 | DN100 | 00° | |
| | | | 9613002822 | 12635 | DN125 | 00° | |
| 9613002823 | 14301 | | 9613002823 | 14301 | DN150 | 00° | |

For further information - please see PD-sheet.

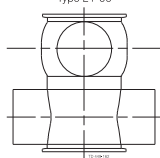
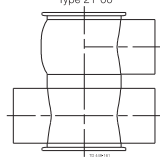
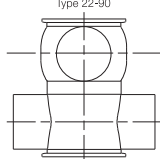
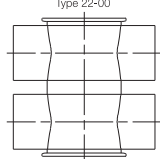
Unique UltraClean

Double seat valves

Air-operated valves
 Upper and lower seat lift
 SpiralClean of upper and lower spindle
 SpiralClean of leakage chamber
 Balanced upper and lower plugs
 Product code: 5256

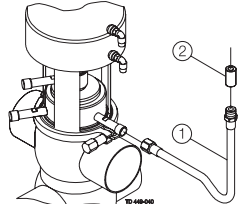
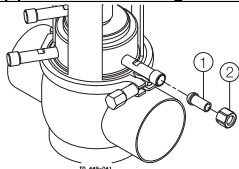
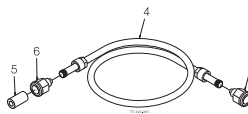
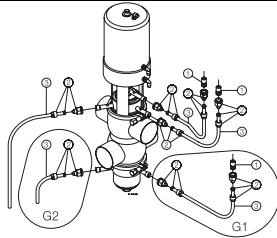
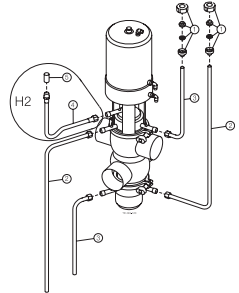
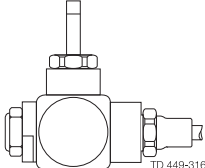
Material: 1.4404 (316L)
 Connection: ISO/DIN Welding ends
 Seals: EPDM
 Inside surface finish: Ra ≤ 1.6 μm
 Outside surface finish: Blasted
 Actuation: Pneumatic NC

2.6

| Item No. | PPL EUR | Size DN/OD | Item No. | PPL EUR | Size DN | Port Angle | Body combination |
|-------------|--------------|---------------|------------|--------------|------------|---------------|---|
| Inch | | | DIN | | | | 21-3 Ports |
| 9613002858 | 4811 | 38 | 9613002868 | 4811 | DN40 | 90° |  |
| 9613002859 | 6192 | 51 | 9613002869 | 6192 | DN50 | 90° | |
| 9613002860 | 7262 | 63.5 | 9613002870 | 7262 | DN65 | 90° | |
| 9613002861 | 8021 | 76.1 | 9613002871 | 8021 | DN80 | 90° | |
| 9613103529 | 10796 | 101.6 | 9613103531 | 10796 | DN100 | 90° | |
| | | | 9613002873 | 12636 | DN125 | 90° | |
| | | | 9613002874 | 14302 | DN150 | 90° | |
| 9613002841 | 4811 | 38 | 9613002851 | 4811 | DN40 | 00° |  |
| 9613002842 | 6192 | 51 | 9613002852 | 6192 | DN50 | 00° | |
| 9613002843 | 7262 | 63.5 | 9613002853 | 7262 | DN65 | 00° | |
| 9613002844 | 8021 | 76.1 | 9613002854 | 8021 | DN80 | 00° | |
| 9613103526 | 10796 | 101.6 | 9613103528 | 10796 | DN100 | 00° | |
| | | | 9613002856 | 12636 | DN125 | 00° | |
| | | | 9613002857 | 14302 | DN150 | 00° | |
| | | | | | | | 22-4 Ports |
| 9613002892 | 4938 | 38 | 9613002903 | 4938 | DN40 | 90° |  |
| 9613002893 | 6324 | 51 | 9613002904 | 6324 | DN50 | 90° | |
| 9613002894 | 7430 | 63.5 | 9613002905 | 7430 | DN65 | 90° | |
| 9613002895 | 8212 | 76.1 | 9613002906 | 8212 | DN80 | 90° | |
| 9613103535 | 11100 | 101.6 | 9613103537 | 11100 | DN100 | 90° | |
| | | | 9613002908 | 13645 | DN125 | 90° | |
| | | | 9613002909 | 15217 | DN150 | 90° | |
| 9613002875 | 4938 | 38 | 9613002885 | 4938 | DN40 | 00° |  |
| 9613002876 | 6324 | 51 | 9613002886 | 6324 | DN50 | 00° | |
| 9613002877 | 7430 | 63.5 | 9613002887 | 7430 | DN65 | 00° | |
| 9613002878 | 8212 | 76.1 | 9613002888 | 8212 | DN80 | 00° | |
| 9613103532 | 11100 | 101.6 | 9613103534 | 11100 | DN100 | 00° | |
| | | | 9613002890 | 13645 | DN125 | 90° | |
| | | | 9613002891 | 15217 | DN150 | 90° | |

NOTE! For further information - please see PD sheet.

Air-operated valves
 Product code: 5267, 5716

| Item No. | PPL EUR | Size | | Options | |
|---------------------------|------------|--|-----|--|---|
| | | Inch | DIN | | |
| Product code: 5267 | | | | | |
| 3135707466 | 318 | All | All | Installation kit B 1 x pos. 1: Hose PTFE with stainless steel weave. 1 x pos. 2: Welding socket. |  |
| Product code: 5267 | | | | | |
| 3135710053 | 72 | All | All | Installation kit C 1 x pos. 1: Welding liner. 1 x pos. 2: Nut. |  |
| Options | | | | | |
| 3135707471 9611992372 | 53 * | Product code: 5716 Product code: 5716 | | 1 x pos. 5: Welding male part AISI 304 1 x pos. 6: 2 pcs. 3/8" 10 mm Female PVDF Pos. 4: 10 mm PVDF hose (please specify numbers and length of hose) |  |
| Product code: 5267 | | | | | |
| 9613055701 | 197 | | | Contents: G1 1 x pos. 1: Welding male part AISI 316. 1 x pos. 2: 2 pcs. 3/8" 10 mm Female PVDF. 1 x pos. 3: 10 mm PVDF hose, 1m. |  |
| 9613055702 | 150 | | | Contents: G2 1 x pos. 2: 3/8" 10 mm Female PVDF. 1 x pos. 3: 10 mm PVDF hose. | |
| Product code: 5267 | | | | | |
| 9613055703 | 299 | | | Contents: 1 x pos. 1: DIN union DN10. 1 x pos. 2: 12 mm CIP pipe long. 1 x pos. 3: 12 mm CIP pipe. |  |
| 3135707466 | 318 | | | Contents: H2 1 x pos. 4: Hose PTFE with stainless steel weave. 1 x pos. 5: Welding socket. | |
| Product code: 5267 | | | | | |
| 9611994713 | 176 | | | Quick exhaust valve w. connections for 1/8" x Ø6 mm airtube |  |