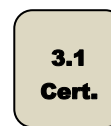


# 702-703 XS-P BALL VALVE

## FEATURES

The 702 and 703 XS-P ball valves with PEEK seats are dedicated to the automatic shut off of industrial fluid's lines up to 137 bar pressure and 250°C temperature. The construction type of this high- performance valve is a full bore 3 pieces with body-integrated screws. The double tightness system for body and stem, the anti-static device and the fire safe design make the valve applicable for oil and gas uses. This valve is CE, fire safe and ATEX certified. The ISO 5211 standardized mounting pad allows an easy actuation of the valve.



## AVAILABLE MODELS

**702 XS-P:** carbon steel body

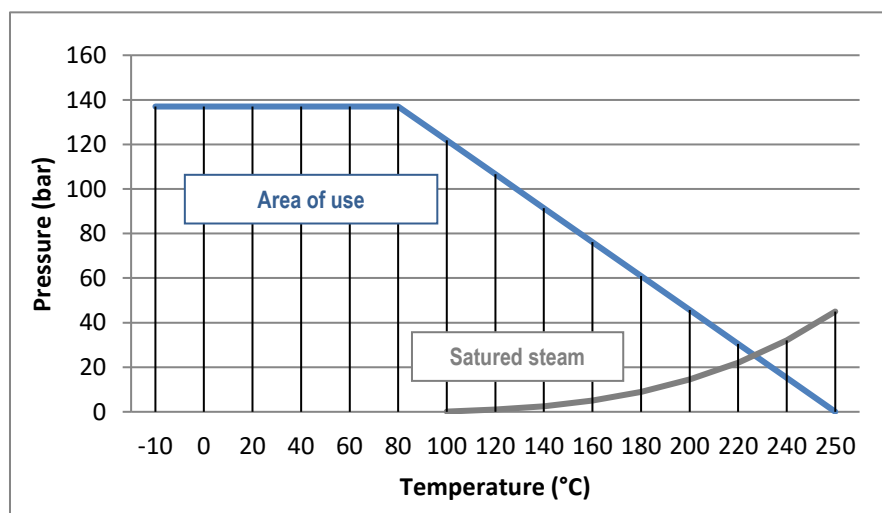
**703 XS-P:** stainless steel body

**Sizes:** 1/4 " to 2"

**Connections:** SW welded.

## LIMITS OF USE

|                          |                                            |
|--------------------------|--------------------------------------------|
| Pressure fluid : PS      | 137 bar                                    |
| Temperature of fluid: TS | CS : -10°C / +250°C<br>SS : -20°C / +250°C |
| Limits of use with steam | 25 bar / +226°C                            |



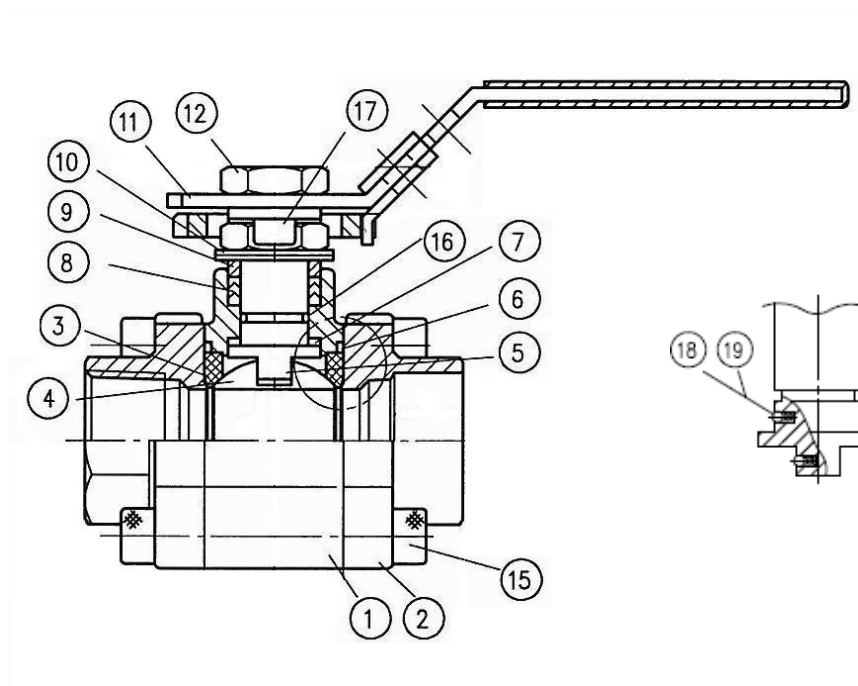
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|  |                                                                                                                                                                                                                                                                                  |       |               |
|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------|
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|  |                                                                                                                                                                                                                                                                                  | Ref.  | TDS702XSP ENG |
|  |                                                                                                                                                                                                                                                                                  | Rev.  | 04            |
|  |                                                                                                                                                                                                                                                                                  | Date  | 12/2023       |

# 702-703 XS-P BALL VALVE

## REGULATIONS AND STANDARDS OF CONSTRUCTION

| OBJET                   | Standard                           | NB        | OBJET                   | Standard     |
|-------------------------|------------------------------------|-----------|-------------------------|--------------|
| P.E.D CE 2014/68        | <b>1/2" to 1"</b> : not Subject    |           | Final testing           | API 598      |
|                         | <b>1" 1/4 to 2"</b> : category III | TÜV 0035  | Material certificate    | EN 10204     |
| Conception              | ANSI B16.34                        |           | Corrosion resistance    | NACE MR-0175 |
| Body sizing             | EN 12516-1                         |           | Fire safe               | API 607/4    |
| Materials               | EN 1503-2                          |           | Motorization connection | ISO 5211     |
| BSP threaded connection | ISO 228-1                          |           | NPT Threaded connection | ANSI B1.20   |
| ATEX directive          | II 2G/D Tx areas 1,2,21 and 22     | SIRA 0518 |                         |              |
|                         | EN 13463-1                         |           |                         |              |



## CONSTRUCTION

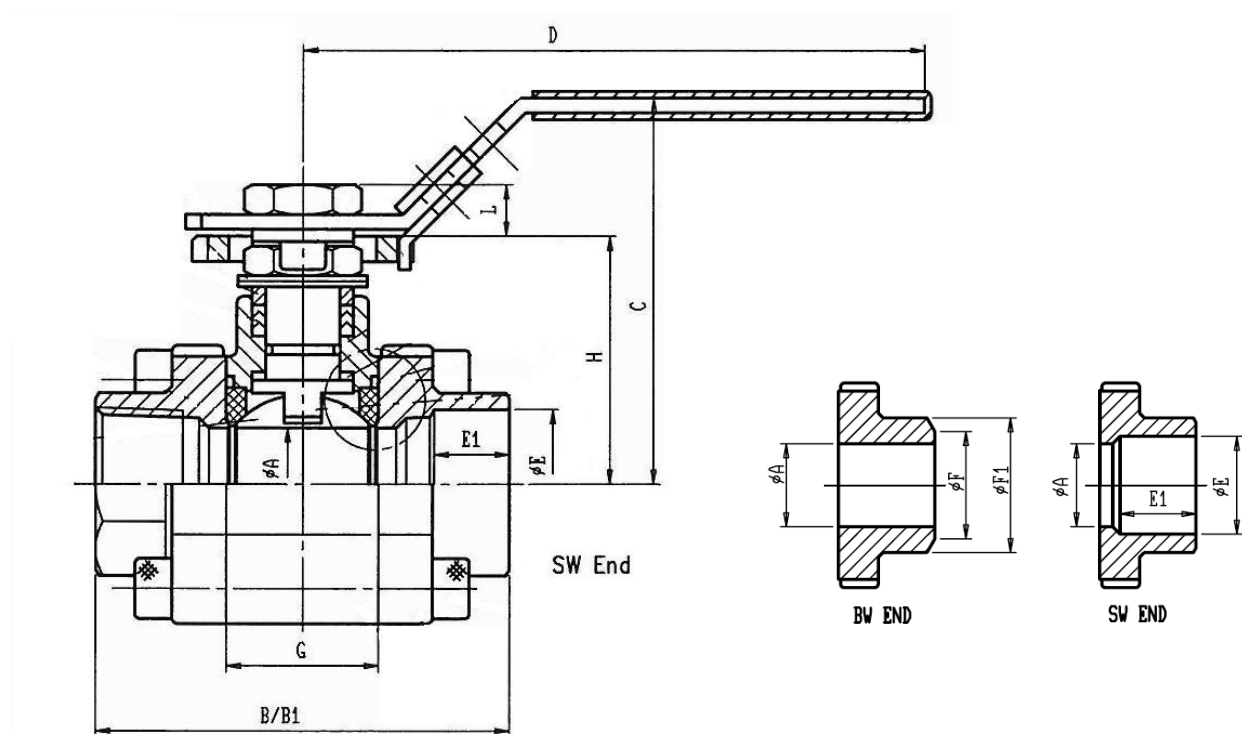
| Item | Part        | Carbon steel | Stainless steel | Item | Part              | Carbon and stainless steel |
|------|-------------|--------------|-----------------|------|-------------------|----------------------------|
| 1    | Body        | CS 1.0619    | SS 1.4408       | 10   | Belleville washer | 301 SS                     |
| 2    | Caps        | CS 1.0619    | SS 1.4408       | 11   | Lever             | SS 304                     |
| 3    | Seats       | PEEK         |                 | 12   | Lever nut         | SS 304                     |
| 4    | Ball        | SS 316       |                 | 13   | Pin               | SS 304                     |
| 5    | Stem        | SS 316       |                 | 14   | Cover             | PVC                        |
| 6    | Body gasket | Graphite     |                 | 15   | Screw             | ISO 898 12.9               |
| 7    | Ring        | PEEK         |                 | 16   | O-ring            | FPM                        |
| 8    | Packing     | Graphite     |                 | 17   | Locking device    | SS 304                     |
| 9    | Ring        | SS 304       |                 | 18   | Anti-static ball  | SS 316                     |
|      |             |              |                 | 19   | Spring            | SS 316                     |

Information given as an indication only, and subject to possible modifications

|                                                                                     |                                                                                                                                                                                                                                             |       |               |
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|                                                                                     |                                                                                                                                                                                                                                             | Ref.  | TDS702XSP ENG |
|                                                                                     |                                                                                                                                                                                                                                             | Rev.  | 04            |
|                                                                                     |                                                                                                                                                                                                                                             | Date  | 12/2023       |

# 702-703 XS-P BALL VALVE

## DIMENSIONS (mm)



| Size    | 1/2" | 3/4" | 1"   | 1" 1/4 | 1" 1/2 | 2"    |
|---------|------|------|------|--------|--------|-------|
| A       | 16   | 20   | 24,5 | 32     | 38     | 50    |
| B (SW)  | 75   | 80   | 90   | 110    | 120    | 140   |
| B1 (BW) | 75   | 90   | 100  | 110    | 125    | 150   |
| C       | 70.9 | 73.4 | 84.1 | 89.3   | 109.5  | 118.9 |
| D       | 110  | 110  | 135  | 135    | 165    | 165   |
| E       | 21.8 | 27.2 | 33.9 | 42.7   | 48.8   | 61.2  |
| E1      | 11.2 | 14.3 | 15.8 | 17.5   | 19.1   | 21.3  |
| F (BW)  | 17   | 22   | 28   | 37     | 43     | 54    |
| F1 (BW) | 21.3 | 26.9 | 33.7 | 42.4   | 48.3   | 60.3  |
| G       | 25.2 | 27.7 | 33   | 41.2   | 49.3   | 63.6  |
| H       | 42.3 | 44.8 | 54   | 59.2   | 73.5   | 82.9  |
| L       | 8    | 8    | 10   | 10     | 14.8   | 14.8  |

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|                                                                                     |                                                                                                                                                                                                                                                                                  |       |               |
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|                                                                                     |                                                                                                                                                                                                                                                                                  | Ref.  | TDS702XSP ENG |
|                                                                                     |                                                                                                                                                                                                                                                                                  | Rev.  | 04            |
|                                                                                     |                                                                                                                                                                                                                                                                                  | Date  | 12/2023       |