

# 737-747 XS BALL VALVE

## FEATURES

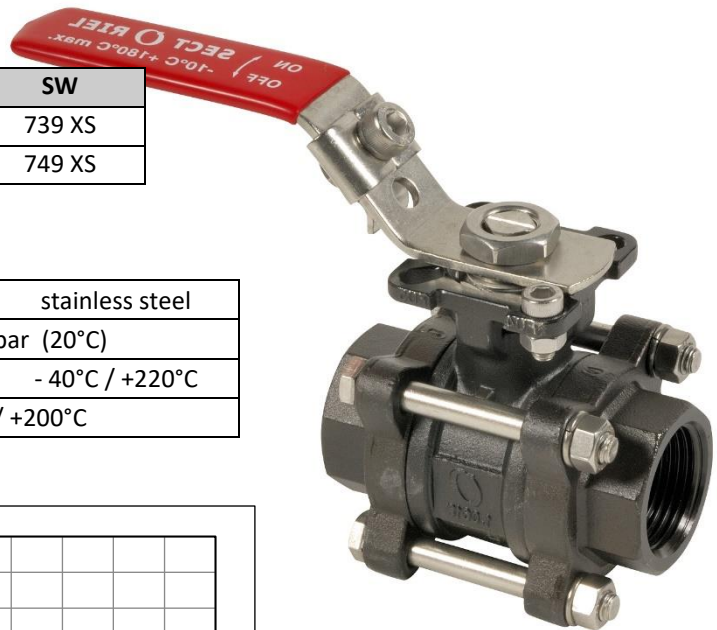
737XS (steel) and 747XS (stainless steel) 2-way ball valves are designed for the shut-off of networks of high-temperature fluids, such as saturated steam up to 15 bar. These 3-piece external tie-bolt ball valves are easy to remove for servicing. This full-bore valve has an anti-static device and double sealing at the packing gland. It is EC-, ATEX- fire safety- and TA-LUFT-approved.



## AVAILABLE MODELS

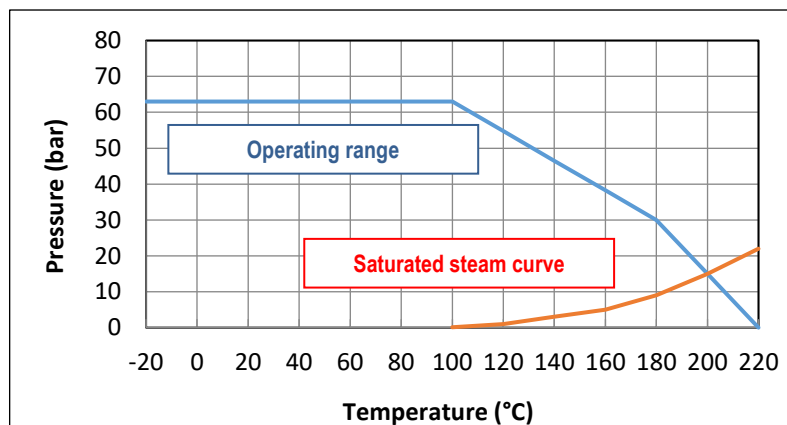
1/2" to 2"

| Connection    | G      | BW     | SW     |
|---------------|--------|--------|--------|
| steel         | 737 XS | 738 XS | 739 XS |
| stainless st. | 747 XS | 748 XS | 749 XS |



## LIMITS OF USE

|                        |                 |                 |
|------------------------|-----------------|-----------------|
| Material               | steel           | stainless steel |
| Fluid pressure: PS     | 63 bar (20°C)   |                 |
| Fluid temperature: WT° | -25°C / +220°C  | - 40°C / +220°C |
| Use on steam           | 15 bar / +200°C |                 |



## DIRECTIVES AND MANUFACTURING STANDARDS

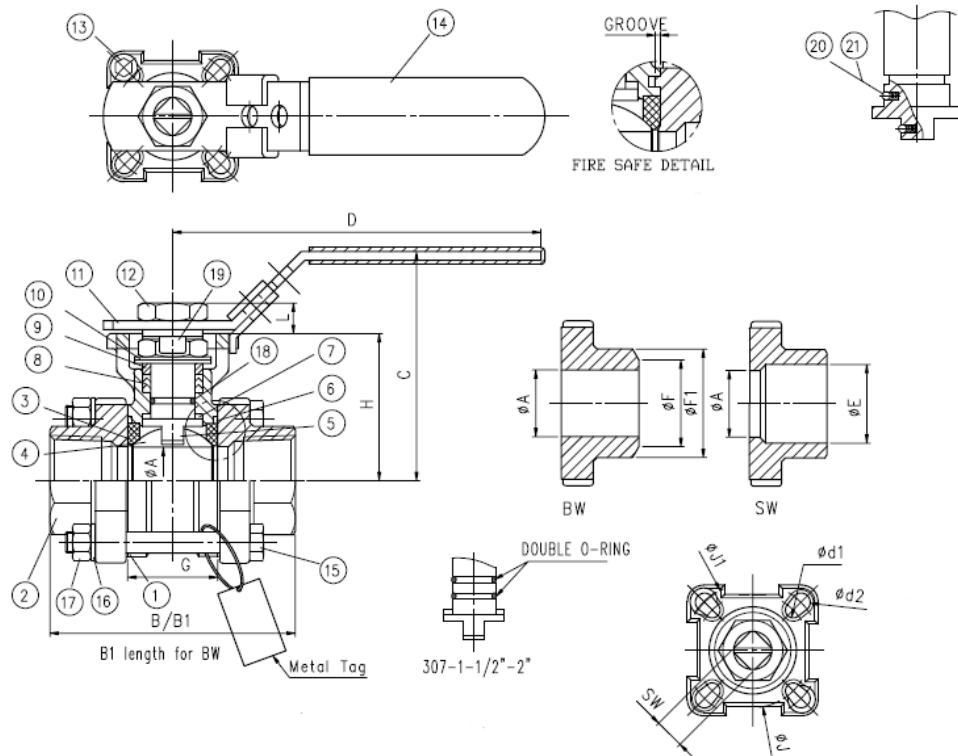
| OBJECT                                  | Standard                       | ON        | OBJECT                  | Standard |
|-----------------------------------------|--------------------------------|-----------|-------------------------|----------|
| Pressure Equipment Directive 2014/68/EC | 1/2" to 1": not subject        |           | Final test              | EN 12266 |
|                                         | 1"1/4 to 2": category III      | TÜV 0035  | Material certificate    | EN 10204 |
| Size                                    | EN 12516-1                     |           | Motorisation connection | ISO 5211 |
| Fire safe                               | API 607/5 – ISO 10497-5        |           |                         |          |
| ATEX Directive                          | II 2G/D Tx zones 1,2,21 and 22 | SIRA 0518 |                         |          |
|                                         | EN 13463-1 and 5               |           |                         |          |

|       |             |
|-------|-------------|
| Pages | 1/2         |
| Ref.  | FT737XS ENG |
| Rev.  | 0           |
| Date  | 02/2019     |

# 737-747 XS BALL VALVE

## CONSTRUCTION

| No. | Name        | Steel                    | Stainless steel          | No.                                     | Name        | Steel  | Stainless steel |
|-----|-------------|--------------------------|--------------------------|-----------------------------------------|-------------|--------|-----------------|
| 1   | Body        | 1.0619                   | 1.4408                   | 12                                      | Nut         | 304 SS | 304 SS          |
| 2   | Ends        | 1.0619                   | 1.4408                   | 13                                      | Stop        | 304 SS | 304 SS          |
| 3*  | Seats       | PTFE+50% stainless steel | PTFE+50% stainless steel | 14                                      | Coupling    | PVC    | PVC             |
| 4   | Ball        | CF8M / 316               | CF8M / 316               | 15                                      | Tie-bolts   | 304 SS | 304 SS          |
| 5   | Stem        | 316 SS                   | 316 SS                   | 16                                      | Washer      | 304 SS | 304 SS          |
| 6*  | Body gasket | Graphite                 | Graphite                 | 17                                      | Nuts        | 304 SS | 304 SS          |
| 7*  | Washer      | PTFE+15%GF               | PTFE+15%GF               | 18*                                     | O-ring      | FPM    | FPM             |
| 8*  | Gasket      | Graphite                 | Graphite                 | 19                                      | Tab washer  | 304 SS | 304 SS          |
| 9   | Spacer      | 301 SS                   | 301 SS                   | 20                                      | Anti-static | 316 SS | 316 SS          |
| 10  | B. washer   | 301 SS                   | 301 SS                   | 21                                      | Spring      | 304 SS | 304 SS          |
| 11  | Lever       | 304 SS                   | 304 SS                   | * Parts included in the maintenance kit |             |        |                 |



## DIMENSIONS (mm)

| DN     | A    | B   | B    | B1   | C     | D   | E    | F  | F1   | G    | H    | J1 | SW |
|--------|------|-----|------|------|-------|-----|------|----|------|------|------|----|----|
|        |      | (G) | (SW) | (BW) |       |     |      |    |      |      |      |    |    |
| 1/2"   | 16   | 75  | 75   | 75   | 70.9  | 110 | 21.9 | 17 | 22.4 | 25.2 | 42.3 | 42 | 9  |
| 3/4"   | 20   | 80  | 80   | 90   | 73.4  | 110 | 27.2 | 22 | 28.2 | 27.7 | 44.8 | 42 | 9  |
| 1"     | 24.5 | 90  | 90   | 100  | 84.1  | 135 | 34.0 | 28 | 33.7 | 33.0 | 54.0 | 50 | 11 |
| 1" 1/4 | 32   | 110 | 110  | 110  | 89.3  | 135 | 42.7 | 37 | 44.0 | 41.2 | 59.2 | 50 | 11 |
| 1" 1/2 | 38   | 120 | 120  | 125  | 109.5 | 165 | 48.8 | 43 | 50.8 | 49.3 | 73.5 | 70 | 14 |
| 2"     | 50   | 140 | 140  | 150  | 118.9 | 165 | 61.3 | 54 | 62.6 | 63.6 | 82.9 | 70 | 14 |

|       |             |
|-------|-------------|
| Pages | 2/2         |
| Ref.  | FT737XS ENG |
| Rev.  | 0           |
| Date  | 02/2019     |