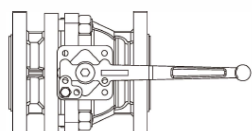
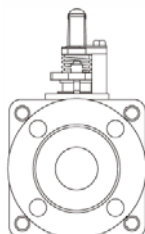
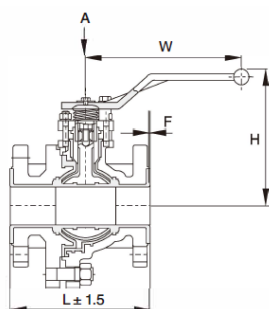


**EFSChem**

**EF41 FLANGED BALL VALVE PTFE LINED**



**MAIN QUALITIES**

Cost-effective alternative to exotic materials.

Lightweight for easy handling and installation.

Enables automation integration.

Superior corrosion resistance with PFA lining.

Available in EN and ANSI standards.

**EF511 FEATURES**

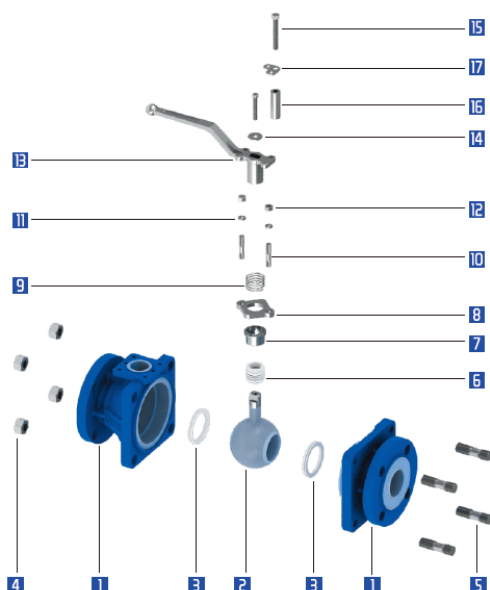
|                        |                                                                                 |
|------------------------|---------------------------------------------------------------------------------|
| Size                   | 15mm~300mm (0.5"~12")                                                           |
| Working pressure       | 0.1mbar~16 bar                                                                  |
| Temperature range      | ~20° C ~ 200° C according to working conditions, other temperatures on request. |
| Design and Manufacture | API 608 DIN 3357 JIS B2071                                                      |
| Face to Face           | ASME B16.10 DIN 3202 JIS B2002                                                  |
| Flange Ends            | ASME B16.5 DIN 2532 JIS B2212                                                   |
| Visual Inspection      | MSS Sp54                                                                        |
| Testing                | API 598 DIN 12569 JIS B2003                                                     |
| Pressure & Temperature | ASME B16.34                                                                     |
| Operator Type          | Lever/ Gear/ Pneumatic/ Electric                                                |
| Spark testing          | 14kv                                                                            |

| DN   | NPS | ASME 150LB |          |     | JIS 10K |          |     | DIN PN10 |        |     | A        | Weight | Torque |     |
|------|-----|------------|----------|-----|---------|----------|-----|----------|--------|-----|----------|--------|--------|-----|
| [mm] | in  | L          | H        | W   | L       | H        | W   | L        | H      | W   | ISO 5211 | [kg]   | CV     | Nm  |
| 15   | ½   | 108        | 126      | 160 | 130     | 126      | 160 | 130      | 126    | 160 | F05-07   | 3.5    | 14     | 10  |
| 20   | ¾   | 117        | 126      | 160 | 150     | 126      | 160 | 150      | 126    | 160 | F05-07   | 4.6    | 14     | 10  |
| 25   | 1"  | 127        | 131      | 160 | 160     | 131      | 160 | 160      | 131    | 160 | F05-07   | 5      | 55     | 10  |
| 32   | 1¼  | 140        | 131      | 160 | 180     | 131      | 160 | 180      | 131    | 160 | F05-07   | 5.5    | 55     | 20  |
| 40   | 1½  | 165        | 160      | 200 | 200     | 160      | 200 | 200      | 160    | 200 | F05-07   | 11     | 210    | 20  |
| 50   | 2   | 178        | 170      | 200 | 230     | 170      | 200 | 230      | 170    | 200 | F05-08   | 14     | 310    | 25  |
| 65   | 2½  | 190        | 170      | 200 | 290     | 170      | 200 | 290      | 170    | 200 | F05-09   | 19     | 310    | 25  |
| 80   | 3   | 203        | 230      | 260 | 310     | 230      | 260 | 310      | 230    | 260 | F07-10   | 28.8   | 684    | 85  |
| 100  | 4   | 229        | 265      | 313 | 350     | 265      | 313 | 350      | 265    | 313 | F07-10   | 44.8   | 1546   | 120 |
| 125* | 5   | /          | 265      | 313 | 400     | 265      | 313 | 400      | 265    | 313 | F07-10   | 51     | 1546   | 120 |
| 150  | 6   | 267        | 347      | 535 | 480     | 347      | 535 | 480      | 347    | 535 | F07-10   | 96.2   | 3262   | 320 |
| 200  | 8   | 292        |          |     | 600     |          |     | 600      |        |     | F14      | 118    | 4565   | 700 |
| 250  | 10  | 533        | Gear Box |     | 730     | Gear Box |     | 730      | GearEJ |     | F14      | 330    | 10250  | 700 |
| 300  | 12  | 610        |          |     | 850     |          |     | 850      |        |     | F16      | 460    | 17500  | 700 |

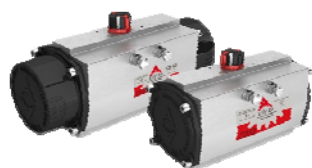
\* on request subject under minimum quantities

**EFSChem**

**EF41 FLANGED BALL VALVE PTFE LINED**



| No | Description        | Qty | Material                     |            |               |                        |
|----|--------------------|-----|------------------------------|------------|---------------|------------------------|
| 1  | Body               | 2   | Carbon Steel+PFA/FEP/ETFE    | A216WGB    | G5151-SGPH2   | GS-45(1.0446)          |
|    |                    |     | Stainless Steel+PFA/FEP/ETFE | A351 GF8   | G5121 SGS13A  | G-X6GrNiMo181 O        |
|    |                    |     | Ductile Iron+PFA/FEP/ETFE    | ASTM A395  | FGD40         | GGG-40 ( 0.7040)       |
| 2  | ONE-PIECE BALL     | 1   | Carbon Steel+PFA/FEP/ETFE    | A216WGB    | G5151-SGPH2   | GS-45(1.0446)          |
|    |                    |     | Stainless Steel+PFA/FEP/ETFE | A351 GF8   | G5121 SGS13A  | G-X6GrNiMo181 O        |
|    |                    |     | Ductile Iron+PFA/FEP/ETFE    | ASTM A395  | FGD40         | GGG-40 ( 0.7040)       |
| 3  | SEATING            | 2   | PTFE                         |            |               |                        |
| 4  | STUD BOLT          | 4   | Stainless Steel              | A 182 F304 | G4303-SUSF304 | X5GrNi1810 DIN 1.4301  |
| 5  | NUT                | 4   | Stainless Steel              | A 182 F304 | G4303-SUSF304 | X5GrNi1810 DIN 1.4301  |
| 6  | PACKING MATERIAL   | 1   | PTFE                         |            |               |                        |
| 7  | SHAFT SLEEVE       | 1   | Stainless Steel              | A 182 F304 | G4303-SUSF304 | X5GrNi1810 DIN 1.4301  |
| 8  | GLAND              | 1   | Stainless Steel              | A 182 F304 | G4303-SUSF304 | X5GrNi1810 DIN 1.4301  |
| 9  | ANTI-STATIC SPRING | 1   | Stainless Steel              | A 182 F304 | G4303-SUSF304 | X5GrNi18 10 DIN 1.4301 |
| 10 | STUD BOLT          | 2   | Stainless Steel              | A 182 F304 | G4303-SUSF304 | X5GrNi1810 DIN 1.4301  |
| 11 | WASHER             | 2   | Stainless Steel              | A 182 F304 | G4303-SUSF304 | X5GrNi1810 DIN 1.4301  |
| 12 | NUT                | 2   | Stainless Steel              | A 182 F304 | G4303-SUSF304 | X5GrNi1810 DIN 1.4301  |
| 13 | HANDLE             | 1   | Stainless Steel              | A 182 F304 | G4303-SUSF304 | X5GrNi1810 DIN 1.4301  |
| 14 | WASHER             | 2   | Stainless Steel              | A 182 F304 | G4303-SUSF304 | X5GrNi1810 DIN 1.4301  |
| 15 | BOLT               | 2   | Stainless Steel              | A 182 F304 | G4303-SUSF304 | X5GrNi1810 DIN 1.4301  |
| 16 | LEVER STOP         | 1   | Stainless Steel              | A 182 F304 | G4303-SUSF304 | X5GrNi1810 DIN 1.4301  |
| 17 | LOCKER             | 2   | Stainless Steel              | A 182 F304 | G4303-SUSF304 | X5GrNi1810 DIN 1.4301  |



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