

# STAINLESS STEEL BALL VALVES

## FB-300

ANSI 300

Stainless steel

Flanged ANSI 300 RF

DN15 to DN200



FB-300

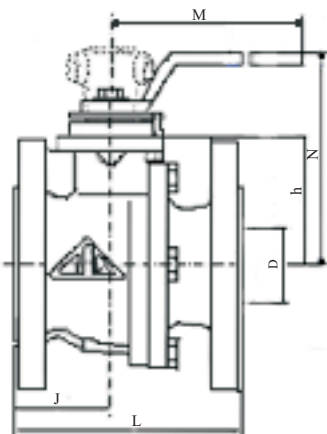
Two-piece

Full bore

Fire tested BS 6755

Anti-static device

Anti-blowout stem

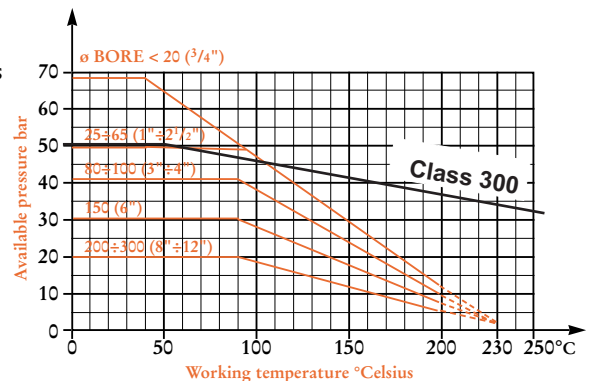


BAC

**Applications** – bi-directional on/off duties in Class 300 piping systems within the P/T limitations shown. The valves will handle many fluids including viscous material, powders, sludges, corrosive media and are widely used in all major process industries. Full bore configuration means excellent  $K_v$  with negligible pressure loss.

**Specification** – construction and manufacture are to BS 5351, ANSI B16.34 and API 6D “Steel ball valves for the petroleum, petrochemical and allied industries”. The ANSI 300 RF flanged ends are to ANSI B16.5 with face-to-face dimensions to ANSI B16.10 (long). All pressure-containing studs and bolts meet international standards. Seating and sealing materials are suitable for the P/T ratings shown. Purchasers must, if required, specify alternative seal and gasket materials to ensure compatibility with fluid media and operating conditions. The valves incorporate a piston/spring anti-static device and are rigorously tested for conformity with BS 6755 fire test procedures.

**P/T ratings** – ball valves with PTFE seats have variable ratings depending upon valve DN. See graph opposite to determine the practical pressure limits in actual service.



## Materials

Part	Material
Body & cap	ASTM A105N ( $\leq$ DN25), ASTM A216 WCC ( $>$ DN25)
Ball	ASTM A351 CF8M
Stem	ASTM A182 F316
Seats	PTFE
Seals	Graphite/PTFE/PTFE GLASS

**Testing** – each valve individually tested; body 76 bar hydrostatic; seat 6,9 bar pneumatic in accordance with ANSI B16.34 and BS 5351.

## Dimensions mm/Weights

DN	15	20	25	40	50	80	100	150	200
in	1/2	3/4	1	1 1/2	2	3	4	6	8
D	14	19	24	38	50	76	100	150	202
L	140	152	165	191	216	283	305	403	502
M	150	200	200	240	290	350	350	550	700
N	83	93	104	121	145	181	207	284	331
h	42,5	52	58	72	89	117	135	195	237
J	55	53	60	60,5	80	95	104	175	200
kg	2,7	3,9	6,3	10,5	14,1	29,8	46,0	89,0	190,0

**Options** – stainless steel construction in ASTM A351 CF8M; special materials for seats, seals and O-rings; manual wrench/lever/gear operators; pneumatic/electric/hydraulic actuators and accessories; special preparation for vacuum, oxygen and chlorine services.

