



BALL VALVE TORQUES AND WEIGHTS

AF35 Torque Data		
Valve bore size	Breakaway Torque	Operation Torque
(inch)	NM	NM
1/2"	7.80	6.24
3/4"	19.5	15.6
1"	41.6	33.3
1-1/2"	46.8	37.5
2"	52.0	41.6

Torque Figures are net without safety factors

AF35 Weights		
Valve bore size	Reduce Bore	Full Bore
(inch)	Kgs	Kgs
1/2"	N/A	1.06
3/4"	1.11	1.56
1"	1.75	2.14
1-1/2"	3.62	4.57
2"	5.05	7.34



BALL VALVE DATA SHEET (CARBON STEEL)

VALVE DESIGN		
NOMINAL SIZE	½" – 2"	
BALL/SEAT STYLE	Floating Ball	
CLASS	CL800 (2000 WOG)	
MAXIMUM WORKING PRESSURE	138 Bar (2000 psi) W.O.G	
BORE TYPE	Reduced or Full	
END CONNECTIONS	Screwed NPT or Socket Weld to ASME B16.11	
SEAT TYPE	Self Relieving	
BODY CONSTRUCTION	3 Piece Bolted, Side entry, Anti-static, Blow-out	
DESIGN STANDARD	BS 5351 / API 607	
MOUNTING PAD DESIGN	ISO 5211	
DESIGN TEMPERATURE RATING	-29°C To +200°C	
MATERIALS OF CONSTRUCTION (NACE STD MR.01.75 LATEST REV.)		
BODY AND CAP	A216 WCB (Investment Cast)	
BALL	AISI 316 or ASTM A351 CF8M	
STEM	A276-316	
SEATS INSERTS	PTFE	
STEM SEAL	VITON	
BODY & STEM GASKET (FIRE SEAL)	Graphite	
BOLTING	AISI 1045	
TESTING		
PRESSURE TESTS: Body and seat	API 598 / BS 6755 Part 1	
FIRE SAFE TEST	API 607 / BS 6755 Part 2	
DOCUMENTATION	EN 10.204.3.1.B	
CE/PED & ATEX CERTIFIED	YES / YES	
ACCESSORIES		
OPERATOR	LEVER C/W LOCKING FACILITY	
DRAWING NUMBER		
	AF-35Ka	

Compiled by:	A.PARRACK
Approved at FCC by:	
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Exclusive Distributor:



Flow Control Company Ltd

Cooper Drive,
Springwood Industrial Estate,
Braintree, Essex CM7 2RF
Tel: +44 (0) 1376 321211 Fax: +44 (0) 1376 321222
E-mail: sales@flowcontrol.co.uk
Web site: www.flowcontrol.co.uk



BALL VALVE DATA SHEET (STAINLESS STEEL)

VALVE DESIGN		
NOMINAL SIZE	1/2" – 2"	
BALL/SEAT STYLE	Floating Ball	
CLASS	CL800 (2000 WOG)	
MAXIMUM WORKING PRESSURE	138 Bar (2000 psi) W.O.G	
BORE TYPE	Reduced or Full	
END CONNECTIONS	Screwed NPT or Socket Weld to ASME B16.11	
SEAT TYPE	Self Relieving	
BODY CONSTRUCTION	3 Piece Bolted, Side entry, Anti-static, Blow-out	
DESIGN STANDARD	BS 5351 / API 607	
MOUNTING PAD DESIGN	ISO 5211	
DESIGN TEMPERATURE RATING	-50°C To +160°C	
MATERIALS OF CONSTRUCTION (NACE STD MR.01.75 LATEST REV.)		
BODY AND CAP	A351-CF8M (Investment Cast)	
BALL	AISI 316 or ASTM A351 CF8M	
STEM	A276-316	
SEATS INSERTS	PTFE	
STEM SEAL	VITON	
BODY & STEM GASKET (FIRE SEAL)	Graphite	
BOLTING	A193 B8	
TESTING		
PRESSURE TESTS: Body and seat	API 598 / BS 6755 Part 1	
FIRE SAFE TEST	API 607 / BS 6755 Part 2	
ACCESSORIES		
OPERATOR	LEVER C/W LOCKING FACILITY	
DRAWING NUMBER	AF-35Ka	

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