

# FORGED BALL VALVE

## FAF1840

1840



### Features

- Designed and manufactured according to ANSI standards.
- Can be installed bi-directional
- Manufactured from forged steel material and has a high pressure resistance.
- The well accordance of teflon material with various flow types and its resistance to higher temperatures enables it to be used in wide range of applications.
- It has stainless steel ball, body material can be manufactured in cast steel or forged steel.
- It is appropriate to be used in fully open or fully closed position.
- No maintenance ever required.
- Handle clearly shows the ball position. Handle clearly shows the ball position.
- Low coefficient of friction.
- Excellent sliding and running properties
- Hardens the complete surface of ball and seats

### Temperature

- -30°C, +200°C

### PRODUCTION STANDARTS

DN15 → DN100  
CLASS 800/1500

Design	BS 5351 / ASME B16.34
Connection	ASME B1.20.1 / ASME B16.11 / ASME B16.25
Pressure Test	API 598
Marking	MSS SP-25
Corrosion Protection	Industrial Epoxy

### Product Description

FAF1840 Forged Ball Valve is operating by a ball having a hole with the same size as the flow section, through the help of the stem, rotating quarter turn (90 degree) between teflon seats where the ball to be parallel or perpendicular to the flow axis.

### Versions

- Various ball, stem and body material alternatives available
- Standard version with handlever
- Stem extension
- Oval lockable handle
- Gearbox
- Custom production for specific orders

### Scope of Application

- Hot & cold water
- Steam
- Chemicals, refining and petrochemicals
- Lubricants
- Natural Gas
- Oil & gas
- HVAC
- Water & wastewater

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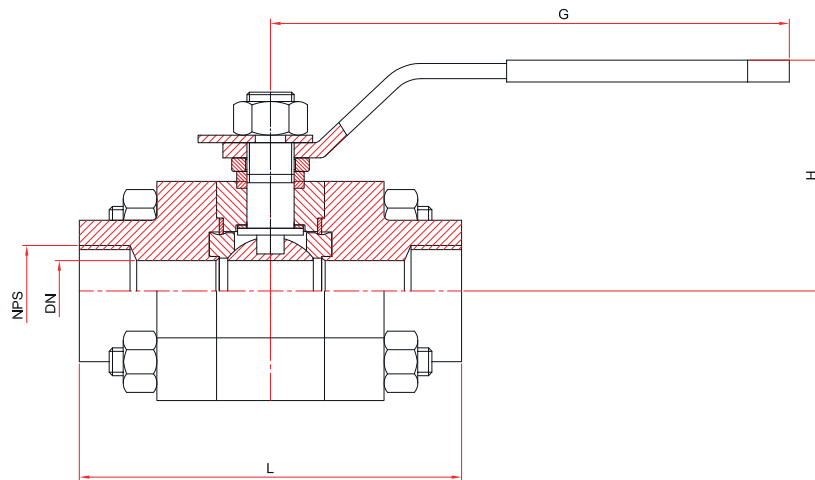
PRODUCTS MODEL CODES	
FAF1900	BALL VALVE - TRUNNION
FAF1800	BALL VALVE - FLOATING
FAF1840	BALL VALVE - FORGED

VALVE TEST PRESSURE (Bar)		
MAX. OPERATING PRESSURE	BODY / SHELL TEST	SEAT TEST
CLASS 900 (PN 150)	225	165
CLASS 1500 (PN 260)	390	286

100% of the valves are subjected to hydrostatic tests at FAF facilities.

MATERIAL SELECTION	
<b>Body</b>	ASTM A-1216 WCB Cast Steel ASTM A-105 Forged Steel
<b>Ball</b>	ASTM A-105 Forged Steel + ENP 1.4401 - AISI 316 Stainless Steel 1.4301 - AISI 420 Stainless Steel
<b>Stem</b>	ASTM A-105 Forged Steel + ENP 1.4401 - AISI 316 Stainless Steel 1.4301 - AISI 420 Stainless Steel
<b>Sealing</b>	PTFE NYLON

### Technical Details & Drawing, Dimensions



### CLASS 800

DN	NPS	DIMENSION			RATINGS	
		L	H	G	KV m <sup>3</sup> /h	Weight Kg
15	1/2	92	51	108	20	2,3
20	3/4	111	70	146	38	3,4
25	1	127	81	178	70	5,4
32	1 1/4	140	85	178	120	6,4
40	1 1/2	152	105	200	190	11
50	2	178	125	280	320	13

### CLASS 1500

DN	NPS	DIMENSION			RATINGS	
		L	H	G	KV m <sup>3</sup> /h	Weight Kg
15	1/2	92	51	108	20	2,5
20	3/4	111	70	146	38	3,7
25	1	127	81	178	70	5,8
32	1 1/4	140	85	178	120	6,8
40	1 1/2	152	105	200	190	11,5
50	2	178	125	280	320	13,7