



SERIES 801

3 PC INSTRUMENTATION BALL VALVE

MANUAL OR AUTOMATED, 1/4" TO 3/4" (DN8-DN20)

■ PRODUCT FEATURES:

- Compression Fitting Enables Quick Mounting and Dismounting from the Pipeline
- Heavy duty Body construction to ANSI class 600
- Self-Adjusting Stem Seal Automatically Adjusts Seal to Compensate for Wear, Temperature, And Pressure Fluctuation
- Blow-Out Proof Stem
- Built-in Internal Anti-Static Device
- Fully Enclosed Body Bolting for Precise End Cap Alignment
- Encapsulated Body Gasket Seals Off Any Possible Leak Path
- Built in ISO 5211 Mounting Pad



■ MAX. WORKING PRESSURE

RPTFE BALL SEAT 100Bar(1440psi)

■ ASSEMBLY THE VALVE INTO PIPELINE

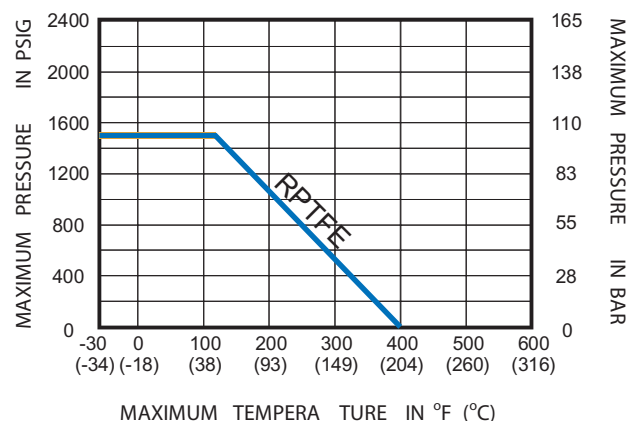
1. Insert the tubing into the cap bore of the valve until it rest against counter pipe bore.
2. Make sure that the nut is finger tight. Then, with a wrench tighten the 1 turn.

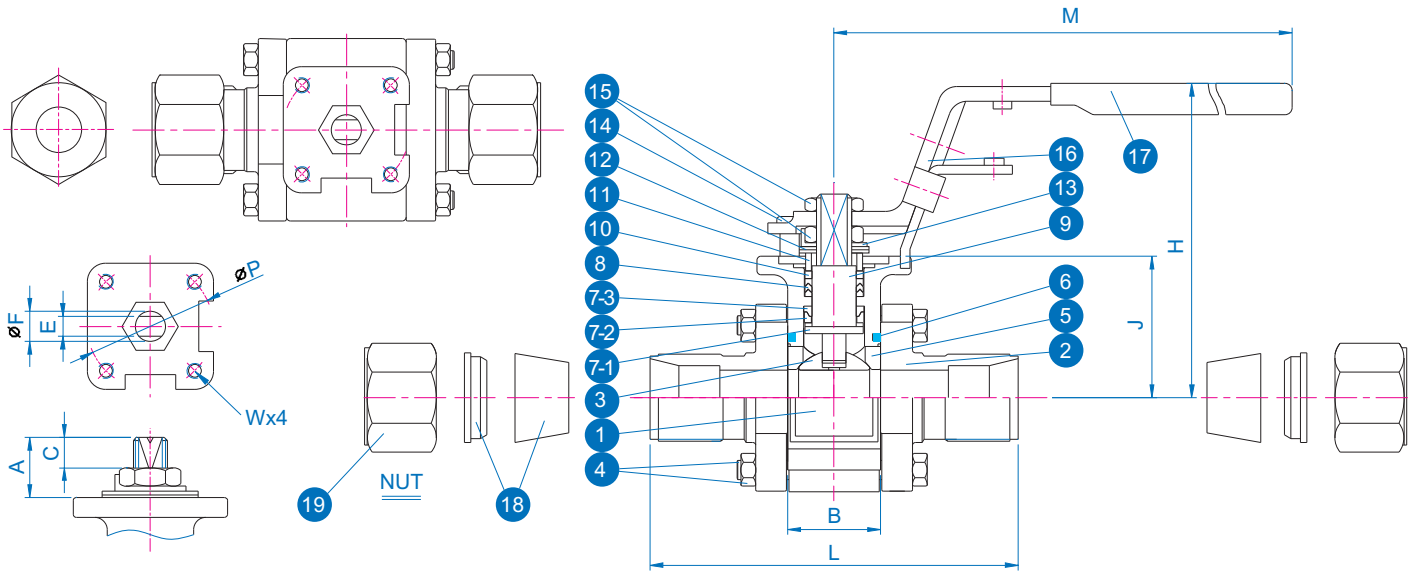
■ CONSTRUCTION OF THE FITTING

Our compression fitting consists of four precision machined parts, namely, nut, front ferrule, back ferrule, and threaded end cap. By screwing the nut into the pipe end, the front ferrule tightly compresses against the tube by curling inward. The back ferrule bites into the tube and achieves the connection of tube and fitting, assuring tight seal. We design our compression fitting for repeated mounting and dismounting from the pipeline.

■ PRESSURE AND TEMPERATURE CHART

Use the chart below to determine the type of seat that would be most suitable for your application





MATERIAL OF CONSTRUCTION

NO.	PART NAME	MATERIAL	Q'TY
1	BODY	ASTM A351 CF8M	1
2	CAP	ASTM A351 CF8M	2
3	BALL	316SS	1
4	BOLT & NUT	A2-70	4
5	BALL SEAT	RPTFE	2
6	BODY GASKET	PTFE	2
7-1	LOWER THRUST WASHER	50% S.S POWDER/50% PTFE	1
7-2	COMPRESS RING	for F.B 3/4" 316SS	1
7-3	UPPER THRUST WASHER	for F.B 3/4" TFM1600	1
8	V-RING STEM PACKING	PTFE	1 SET
9	STEM	316SS	1
10	THRUST WASHER	50% S.S POWDER+50%PTFE FILLED	1
11	GLAND	304SS	1
12	BELLEVILLE WASHER	301SS	2
13	LOCK SADDLE	304SS	1
14	STOP BOLT	STAINLESS STEEL	1
15	STEM NUT	304SS	2
16	HANDLE	304SS	1
17	PLASTIC COVER	VINYL	1
18	FERRULE	316SS	2
19	NUT	316SS	2

DIMENSION(mm)

SIZE	DN	A	C	W	ØP	B	J	H	L	M	E	ØF	
F.B	1/4"	8	12.7	5.6	M5	36	21	27.5	66	65.2	115	5.0	8.0
	3/8"	10	12.7	5.6	M5	36	21	27.5	66	65.2	115	5.0	8.0
R.B	1/2"	15	12.7	5.6	M5	36	21	27.5	66	69.0	115	5.0	8.0
	3/4"	20	15.0	9.3	M5	42	25	38.0	84	76.2	135	6.3	9.7

ORDERING INFORMATION

80I	BARE END CAP (IMPERIAL)	FULL PORT	SS316	RPTFE	1/2"	1440cwp	BARE SHAFT
	X	1	1	R	C	M	2
80 INSTRUMENTATION	END CAP TYPE	PORT TYPE	BODY,CAP/ BALL,STEM	SEAT MATERIAL	SIZE	PRESSURE	HANDLE TYPE
	J WITH IMPERIAL COMPRESSION FITTING	1 FULL PORT	1 CF8M/316	R RPTFE	A 1/4"	M PN100/1440cwp	1 STANDARD HANDLE W/LOCK
	X BARE END CAP (IMPERIAL)	2 REDUCE PORT			B 3/8"		2 BARE SHAFT
					C 1/2"		
					D 3/4"		