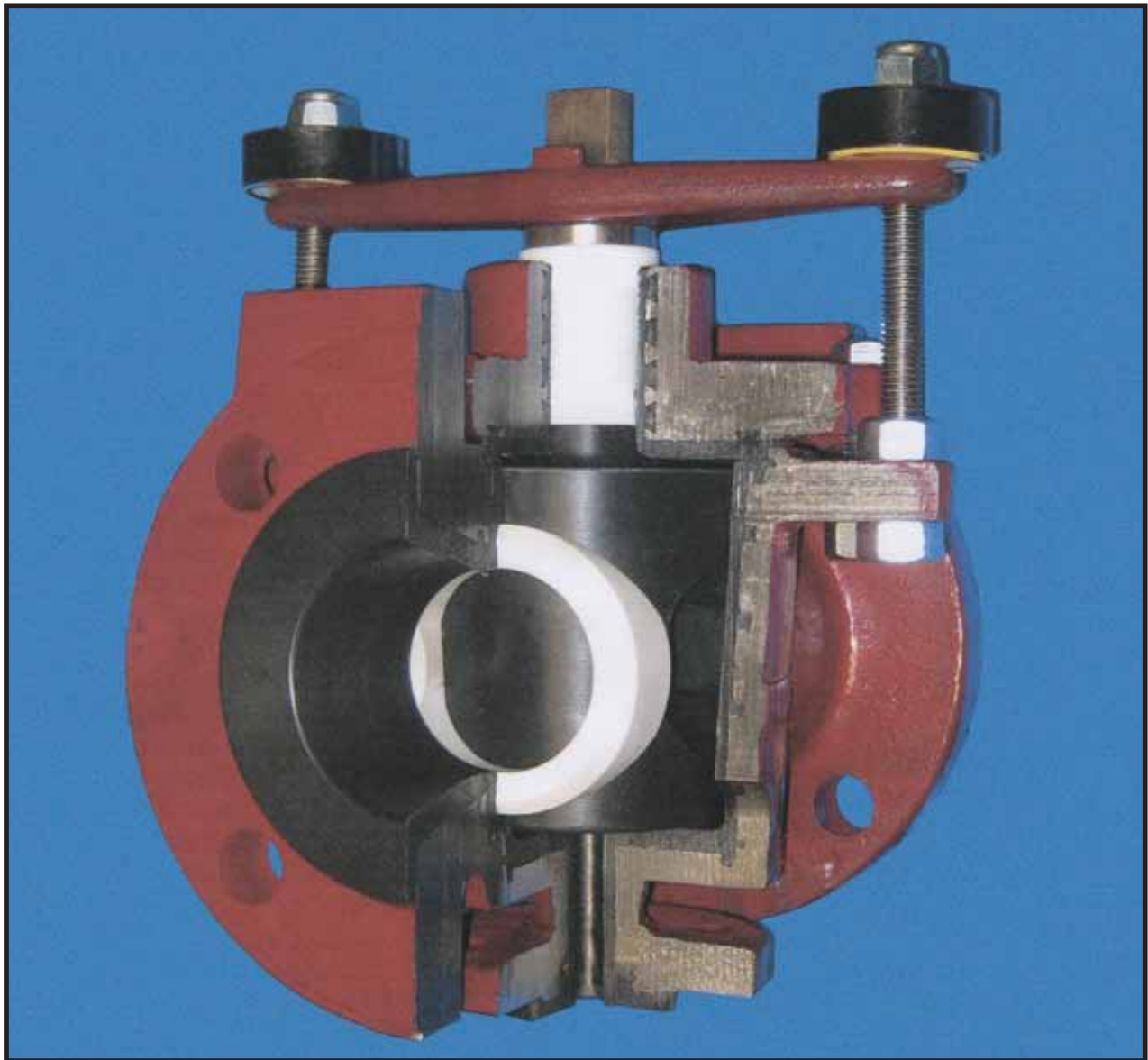
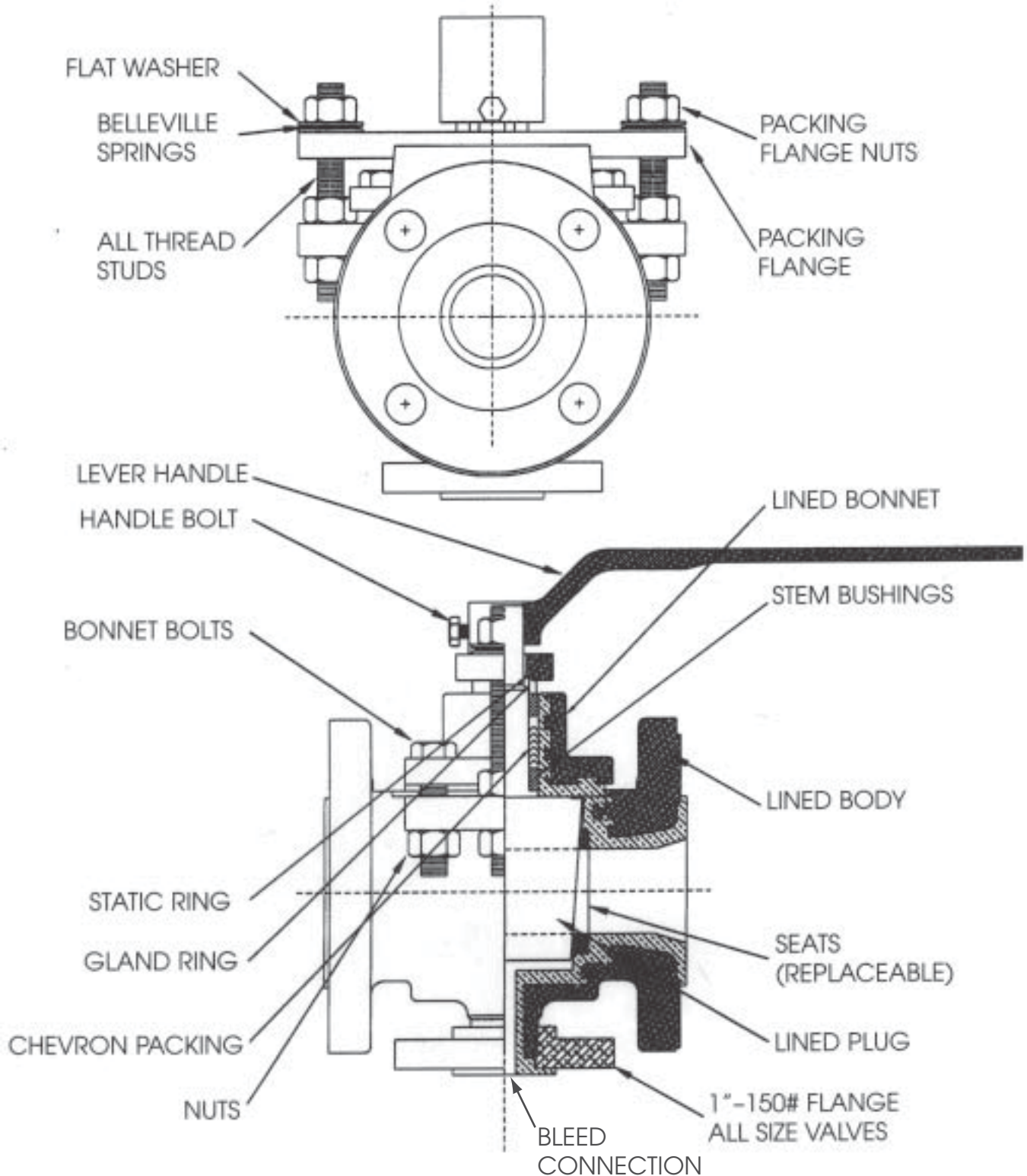

ChemValve[®]

**MODEL 790EB-150-DBB
HIGH PERFORMANCE
DOUBLE BLOCK AND BLEED
LINED PLUG VALVE**



790EB-150 - DOUBLE BLOCK AND BLEED



See our brochure 790EB-150 for additional construction information.

ENGINEERING DATA

TECHNICAL DESCRIPTION

Pressure Class: ANSI CL 150
(DIN Std. Optional)

Size Range: 1" to 8" (25mm-200mm)

End Connection: Raised face flanged

Liner Material: PPL, PVDF, FEP, PFA, GRPFA

Liner Thickness: Minimum .125"
Rated for Full Vacuum

External Protection: Water Based Acrylic Urethane
Other Coatings Available

MODEL 790EB BILL OF MATERIALS	
PART	MATERIAL
Body	Ductile Iron*
Bottom Flange	Steel
Bonnet	Ductile Iron*
Packing Flange	Steel**
Plug	Ductile Iron*
Seats	PTFE
Packing	TFM
Gland Ring	304 SS
Static Ring	302 SS
Bolting	316 SS
Handle	Ductile Iron*

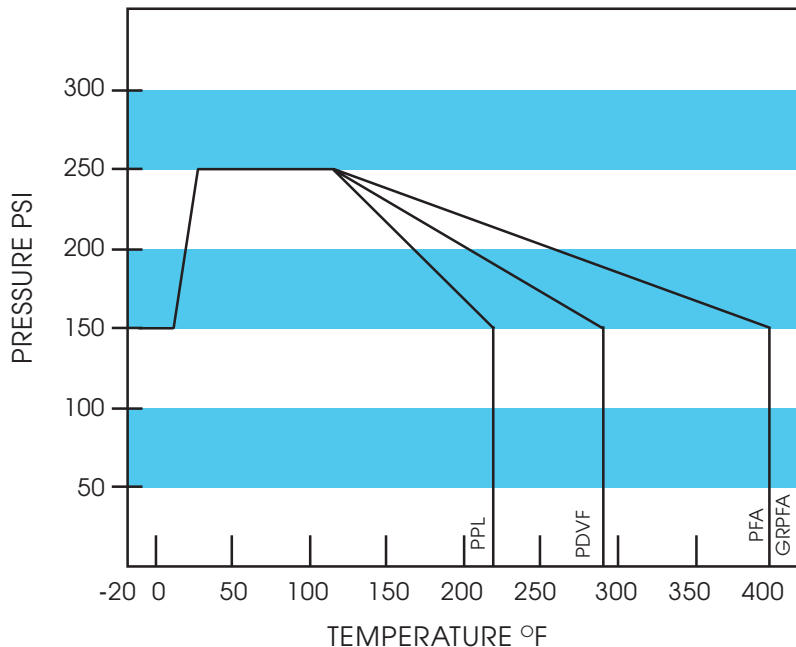
Size	CV VALUE	BREAK TORQUE (IN./LBS.)
1	20	300
1.5	53	420
2	133	420
3	247	900
4	420	1320
6	713	2400
8	1420	4010

* All Cast Ductile iron is ASTM-A395

** All Cast Steel is ASTM-A216-WCB

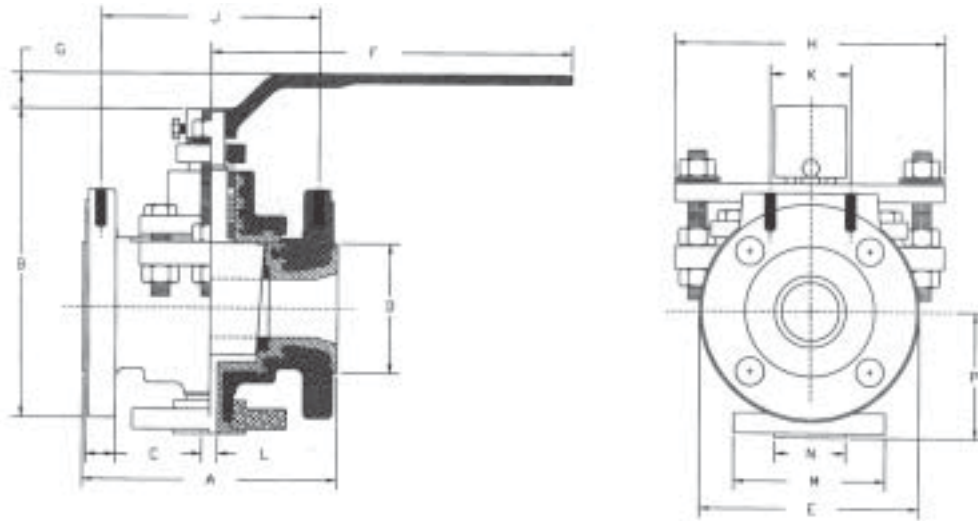
NOTE: Above Torques for PTFE Seats

PRESSURE - TEMPERATURE CURVES



MAX SERVICE TEMPERATURE	
PPL	225°F (107°C)
PVDF	275°F (135°C)
PFA	400°F (204°C)
GRPFA	400°F (204°C)

OUTLINE DIMENSIONS OF MODEL 790EB-150-DBB LINED PLUG VALVE



*= Tolerance = $\pm 1/16$ "

**= Tolerance = ± 0.010 "

Nominal Valve Size	A*	B*	C*	D*	E*	F*	G*	H*	L*	M*	N*	P*
1"	5.00"	7.25"	0.56"	2.00"	4.27"	10.0"	1.00"	5.63"	5/16"	4 1/4"	2"	4.00"
1.5"												
2"	7.00"	8.50"	0.63"	3.63"	6.00"	10.0"	1.00"	7.50"	7/16"	4 1/4"	2"	3 7/16"
3"	8.00"	10.50"	0.75"	5.00"	7.50"	16.0"	0.75"	9.00"	7/16"	4 1/4"	2"	4 1/8"
4"	9.00"	11.50"	0.94"	6.13"	9.00"	16.0"	0.75"	9.00"	1/2"	4 1/4"	2"	4 3/4"
6"	10.50"	14.75"	1.00"	8.38"	11.00"	22.0"	1.50"	11.30"	1/2"	4 1/4"	2"	6 1/8"
8"	11.50"	20.50"	1.19"	10.62"	13.50"	N/A	N/A	14.30"	1/2"	4 1/4"	2"	6 5/8"

Nominal Valve Size	Bolt Hole Diam.	Diam Bolt Circle	Approx. Valve Weight	Mounting Pad			4 Tapped Holes	
				J**	K**	Hole Diam.	Thread	Thread Depth
1"	5/8	3 1/8	16#	4.20"	1.75"	5/16"	18UNC	7/8"
1.5"								
2"	3/4"	4 3/4"	30#	6.00"	2.25"	5/16"	18UNC	1"
3"	3/4"	6"	55#	6.80"	3.5"	3/8"	16UNC	1 1/8"
4"	3/4"	7 1/2"	84#	7.75"	4"	1/2"	13UNC	1 1/8"
6"	7/8"	9 1/2"	133#	9.20"	4"	1/2"	13UNC	1 1/8"
8"	7/8"	11 3/4"	215#	9.97"	7"	1/2"	13UNC	1 1/8"

ChemValve®

website: www.chemvalve.com

27850 Commercial Park Road
Tomball, TX 77375

PH: (281) 357-0101
(800) 879-3720
FAX: (281) 255-2261
email: ChemValve@worldnet.att.net