

6	O-RING	VITON
5	BUSHING	PTFE
4	STEM	SS410
3	SEAT	PTFE
2	DISC	CF8M+PTFE
1	BODY	DI
NO.	PARTS NAME	MATERIAL

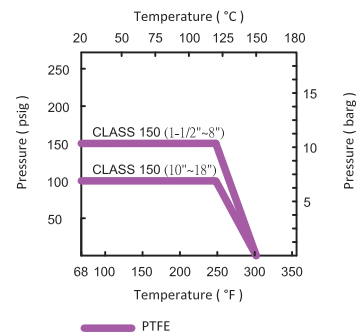
SIZE: ≤ 8"

Pressure Rating	150 PSI	
Shell Test	Water	225 psi
Back Seat Test	Water	_____
High-Pressure Closure	Water	_____
Low-Pressure Closure Test	Air	80 psi

SIZE: 10" ~ 18"

Pressure Rating	100 PSI	
Shell Test	Water	150 psi
Back Seat Test	Water	_____
High-Pressure Closure	Water	_____
Low-Pressure Closure Test	Air	80 psi

Series 81WE(a) CLASS 150



DIN PN10		DIN PN16		ANSI B16.1		JIS 10K		CV Value	Torque (N.m) safety factor excluded
φC	n-φ	φC	n-φ	φC	n-φ	φC	n-φ		
110	4-φ18	110	4-φ18	98.5	4-φ16	105	4-φ19	76	12
125	4-φ18	125	4-φ18	120.5	4-φ19	120	4-φ19	135	13
145	4-φ18	145	4-φ18	139.5	4-φ19	140	4-φ19	220	18
160	8-φ18	160	8-φ18	152.5	4-φ19	150	8-φ19	302	27
180	8-φ18	180	8-φ18	190.5	8-φ19	175	8-φ19	600	45
210	8-φ18	210	8-φ18	216	8-φ22	210	8-φ23	1022	70
240	8-φ23	240	8-φ23	241.5	8-φ22	240	8-φ23	1579	90
295	8-φ23	295	12-φ23	298.5	8-φ22	290	8-φ23	3136	140
350	12-φ23	355	12-φ27	362	12-φ25	355	12-φ25	5340	230
400	12-φ23	410	12-φ27	432	12-φ25	400	12-φ25	8250	320
460	16-φ23	470	16-φ27	476	12-φ29	445	16-φ25	11917	480
515	16-φ27	525	16-φ30	539.5	16-φ29	510	16-φ27	16388	700

INCH	H1	H2	H3	L	φA	φE	φB	φF	□M
1.5"	70	110	30	35	12.7	90	70	10.5	9
2"	76	162	30	46	12.7	90	70	10.5	9
2.5"	89	175	30	49	12.7	90	70	10.5	9
3"	95	181	30	49	12.7	90	70	10.5	9
4"	114	200	30	55	15.8	90	70	10.5	11
5"	127	213	30	59	19.05	90	70	10.5	14
6"	140	225	30	59	19.05	90	70	10.5	14
8"	177	260	36	64	22.2	125	102	12.5	17
10"	203	292	36	71.5	28.6	125	102	12.5	22
12"	242	335	36	81	31.8	125	102	12.5	22
14"	267	368	45	79.5	31.8	125	102	12.5	22
16"	298	400	51	90	33.3	175	140	18	27
18"	318	442	51	109	38	175	140	18	30

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2022-12-05

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2022-12-05

APPROVAL:
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2022-12-05

TITLE: Model: Series 81W(E)
DI body CF8M+PTFE Disc Class 150

DWG. NO.

REV: 1.0

UNIT: mm
DO NOT SCALE

Sheet: 1 of 1

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