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Standard Cage Characteristics are Q-Open, Equal Percent, Linear & Whisper I

Bonnet Size is for selection of Bonnet per EX0

* Foreign Manufactured Din Flanged Valve Bodies are listed on the EM

Class	Characteristic	Body Size	Stem Diameter	Bonnet Size	Travel	EM	Notes
600	Standard	4X2(100X50mm)*	1/2, 3/4	2	1 1/8	EWX4	
		6X4(150X100mm)*	1/2, 3/4 & 1	4	2	EWX1	
		6X4X2 1/2(150X100X65mm)*	1/2, 3/4	4	1 1/2	EWX1	
		8X4(200X100mm)*	1/2, 3/4 & 1	4	2	EWX2	
		8X6(200X150mm)*	3/4, 1 & 1 1/4	6	2	EWX2	
		10X6	3/4, 1 & 1 1/4	6	2	EWX2	
		10X8	3/4, 1 & 1 1/4	8	2 & 3	ECX8	
		12X6(300X150mm)*	3/4, 1 & 1 1/4	6	2	EWX3	
		12X8(300X200mm)*	3/4, 1 & 1 1/4	8	2 & 3	EWX17	
	Whisper I	8X6(200X150mm)*	3/4	6	4	EWX8	
		10X8	3/4	8	4	ECX8	
		12X6(300X150mm)*	3/4	6	4	EWX9	
	Whisper III	8X6(200X150mm)* & 10X6	3/4, 1 & 1 1/4	6	5	EWX6	
		12X6(300X150mm)*	3/4, 1 & 1 1/4	6	6 1/2	EWX7	
	WhisperFlo (Level X, Y & Z)	6X4(150X100mm)*	3/4	4	4	EWX24	
		8X4(200X100mm)*	3/4	4	4	EWX25	
		8X6(200X150mm)*	3/4 & 1	6	5	EWX22	
		10X8	3/4 & 1	8	6	ECX42	
		12X6(300X150mm)*	3/4 & 1	6	5 & 6	EWX23	
		12X8(300X200mm)*	3/4 & 1	8	8	EWX26	
	Cavitrol III	4X2	1/2 & 3/4	2	2	EWX10	
		6X4	3/4 & 1	4	3 & 4	EWX11	
		8X4	3/4, 1	4	3 & 4	EWX12	
		8X6	3/4, 1 & 1 1/4	6	2, 3, 4 & 5	EWX13	
		12X6	3/4, 1 & 1 1/4	6	2, 3, 4 & 6	EWX15	
		12X8(300X200mm)*	3/4, 1 & 1 1/4	8	2, 3, 4 & 6	EWX16	
900	Standard	8X6	3/4, 1 & 1 1/4	6	2	EWX5	
		12X8(300X200mm)*	3/4, 1 & 1 1/4	8	2 & 3	EWX19	
		12X8(300X200mm)*	1 1/4	8	3	EWX20	EW-1 Series
	Whisper III	12X8(300X200mm)*	1 1/4	8	6	EWX21	EW-1 Series
	Cavitrol III	8X6	1 & 1 1/4	6	2, 3, 4 & 5	EWX14	
		12X8(300X200mm)*	3/4, 1 & 1 1/4	8	3, 4 & 6	EWX18	

**Find No. Part Name**

1	Valve Body
2	Valve Plug
3	Cage Or Cage Assembly
4	Adaptor Cage
5	Adaptor Seat Ring
6	Piston Ring
7	Stem
8	Groove Pin
9	Seat Ring
10	Bonnet Gasket
11	Cage Gasket
12	Spiral Gasket
13	Seat Ring Gasket
14	Ring Adaptor Gasket
15	Stud Bolt or Cap Screw
16	Hex Nut
17	Pipe Plug
18	Flow Arrow
19	Drive Screw
21	Disc Retainer
22	Disc Seat
23	Disc
26	Load Ring
27	Retaining Ring
28	Seal Ring
29	Back Up Ring
31	Cage Retainer or Cage Retainer & Baffle Assembly
32	Bonnet Spacer
47	Upper Seal
48	Upper Seal Retainer
49	Cap Screw
50	Lockwasher
51	Lubricant
52	Cage Spacer
53	Shim
54	Nameplate
55	Wire
63	Anti-Extrusion Ring
64	C-Seal

Stainless Steel Temperature Limits reference FMS 20B16

CF8M 316SST To 800 °F
Wrought 316SST To 1000 °F
316H SST Above 800 °F

CF8 304SST To 1000 °F
304H SST Above 1000 °F

CF8C 347SST To 1000 °F
347H SST Above 1000 °F

Values listed for 316SST are for all 300 Series SST, except 316SST ENC Cage must not exceed 650 °F.

Note b: Cast Alloy 6 on 4X2, Alloy 6 Hard Facing on other sizes.

Valve Body/Trim Temperature °F Limits

Body	Cage	Seat Ring	Body Size									
			4X2		6X4		8X4		8X6		12X6	
			MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
WCB	CI	416SST	-20	500	-20	500	-20	500	-20	500	-20	500
		17-4 PH	-20	750	-20	650	-20	625	-20	600	-20	500
		316SST	-20	800	-20	800	-20	800	-20	800	-20	800
		316SST ^b	-20	800	-20	800	-20	800	-20	800	-20	800
	316SST	416SST	-20	800	-20	650	-20	750	-20	750	-20	800
		316SST	-20	800	-20	430	-20	425	-20	400	-20	325
		316SST ^b	-20	800	-20	430	-20	425	-20	400	-20	325
	Alloy 6	316SST ^b	-20	800	-20	800	-20	800	-20	800	-20	800
LCB	17-4 PH	416SST	-20	650	-20	650	-20	625	-20	625	-20	500
		316SST	-50	650	-50	650	-50	650	-50	650	-50	650
		316SST ^b	-50	650	-50	650	-50	650	-50	650	-50	650
	316SST	416SST	-20	650	-20	650	-20	650	-20	650	-20	650
		316SST	-50	650	-50	425	-50	425	-50	400	-50	325
		316SST ^b	-50	650	-50	425	-50	425	-50	400	-50	325
	Alloy 6	316SST ^b	-50	650	-50	650	-50	650	-50	650	-50	650
LC3	17-4 PH	416SST	-20	650	-20	650	-20	650	-20	650	-20	650
		316SST	-150	650	-150	650	-150	650	-150	650	-150	650
		316SST ^b	-150	650	-150	650	-150	650	-150	650	-150	650
	316SST	416SST	-20	650	-20	425	-20	425	-20	425	-20	425
		316SST	-150	600	-150	370	-150	320	-150	320	-75	275
		316SST ^b	-150	650	-150	370	-150	320	-150	320	-100	275
	Alloy 6	316SST ^b	-150	650	-150	650	-150	650	-150	650	-150	650
CF8M	17-4 PH	416SST	-20	400	-20	300	-20	275	-20	250	-20	225
		316SST	-175	450	-220	330	-175	300	-175	325	-175	350
		316SST ^b	-100	400	-220	330	-200	300	-75	325	-100	350
	316SST	416SST	-20	800	-20	800	-20	750	-20	650	-20	425
		316SST	-325	1100	-325	1100	-325	1100	-325	1100	-325	1100
		316SST ^b	-325	1100	-325	1100	-325	1100	-325	1100	-325	1100
	Alloy 6	316SST ^b	-325	700	-325	650	-325	600	-325	600	-325	600
C5	17-4 PH	416SST	-20	800	-20	800	-20	800	-20	800	-20	800
		316SST	-20	800	-20	800	-20	800	-20	800	-20	800
		316SST ^b	-20	800	-20	800	-20	800	-20	800	-20	800
	316SST	416SST	-20	800	-20	410	-20	450	-20	425	-20	450
		316SST	-20	550	-20	360	-20	360	-20	350	-20	275
		316SST ^b	-20	700	-20	360	-20	360	-20	350	-2	275
	Alloy 6	316SST ^b	-20	1100	-20	600	-20	500	-20	400	-20	360
WC9	17-4 PH	416SST	-20	750	-20	650	-20	625	-20	600	-20	500
		316SST	-20	800	-20	800	-20	800	-20	800	-20	800
		316SST ^b	-20	800	-20	800	-20	800	-20	800	-20	800
	316SST	416SST	-20	800	-20	650	-20	750	-20	750	-20	800
		316SST	-20	850	-20	430	-20	425	-20	400	-20	325
		316SST ^b	-20	1050	-20	430	-20	425	-20	400	-20	325
	Alloy 6	316SST ^b	-20	1050	-20	1050	-20	1050	-20	1050	-20	1050

Valve Body/Trim Temperature °F Limits

Body	Cage	Seat Ring	Body Size									
			4X2		6X4		8X4		8X6		12X6	
			MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
CF8C	17-4 PH	416SST	-20	400	-20	300	-20	275	-20	250	-20	225
		316SST	-175	450	-220	330	-175	300	-175	325	-175	350
		316SST ^b	-100	440	-220	330	-200	300	-75	325	-100	350
	316SST	416SST	-20	800	-20	800	-20	750	-20	650	-20	425
		316SST	-325	1100	-325	1100	-325	1100	-325	1100	-325	1100
		316SST ^b	-325	1100	-325	1100	-325	1100	-325	1100	-325	1100
	Alloy 6	316SST ^b	-325	700	-325	650	-325	600	-325	600	-325	600
WC1	17-4 PH	416SST	-20	750	-20	650	-20	625	-20	600	-20	500
		316SST	-20	800	-20	800	-20	800	-20	800	-20	800
		316SST ^b	-20	800	-20	800	-20	800	-20	800	-20	800
	316SST	416SST	-20	800	-20	650	-20	750	-20	750	-20	800
		316SST	-20	850	-20	430	-20	425	-20	400	-20	325
		316SST ^b	-20	850	-20	430	-20	425	-20	400	-20	325
	Alloy 6	316SST ^b	-20	850	-20	850	-20	850	-20	850	-20	850
WC6	17-4 PH	416SST	-20	750	-20	650	-20	625	-20	600	-20	600
		316SST	-20	800	-20	800	-20	800	-20	800	-20	800
		316SST ^b	-20	800	-20	800	-20	800	-20	800	-20	800
	316SST	416SST	-20	800	-20	650	-20	750	-20	750	-20	800
		316SST	-20	850	-20	430	-20	425	-20	400	-20	325
		316SST ^b	-20	1000	-20	430	-20	425	-20	400	-20	325
	Alloy 6	316SST ^b	-20	1000	-20	1000	-20	1000	-20	1000	-20	1000
Alloy 20	17-4 PH	416SST	-20	300	-20	300	-20	300	-20	300	-20	300
		316SST	-325	300	-325	300	-325	300	-325	300	-325	300
		316SST ^b	-325	300	-325	300	-325	300	-325	300	-325	300
	316SST	416SST	-20	300	-20	300	-20	300	-20	300	-20	300
		316SST	-325	300	-325	300	-325	300	-325	300	-325	300
		316SST ^b	-325	300	-325	300	-325	300	-325	300	-325	300
	Alloy 6	316SST ^b	-325	300	-325	300	-325	300	-325	300	-325	300
Hact C	17-4 PH	416SST	-20	800	-20	800	-20	800	-20	800	-20	800
		316SST	-150	800	-150	800	-150	800	-150	800	-150	800
		316SST ^b	-150	800	-150	800	-150	800	-150	800	-150	800
	316SST	416SST	-20	800	-20	410	-20	450	-20	425	-20	450
		316SST	-325	550	-325	360	-325	360	-325	350	-325	275
		316SST ^b	-325	700	-325	360	-325	360	-325	350	-325	275
	Alloy 6	316SST ^b	-325	1100	-325	600	-325	500	-325	400	-325	360



Revision Change Record

The date recorded on this document reflects the effective date of this revision.

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Matrix Section:

On page 1, add a new row for Class 600, standard characteristic, 10X6 Body size, EWX2 EM.