

Masoneilan™ PXR™ Control Valve

Performance X Reliability

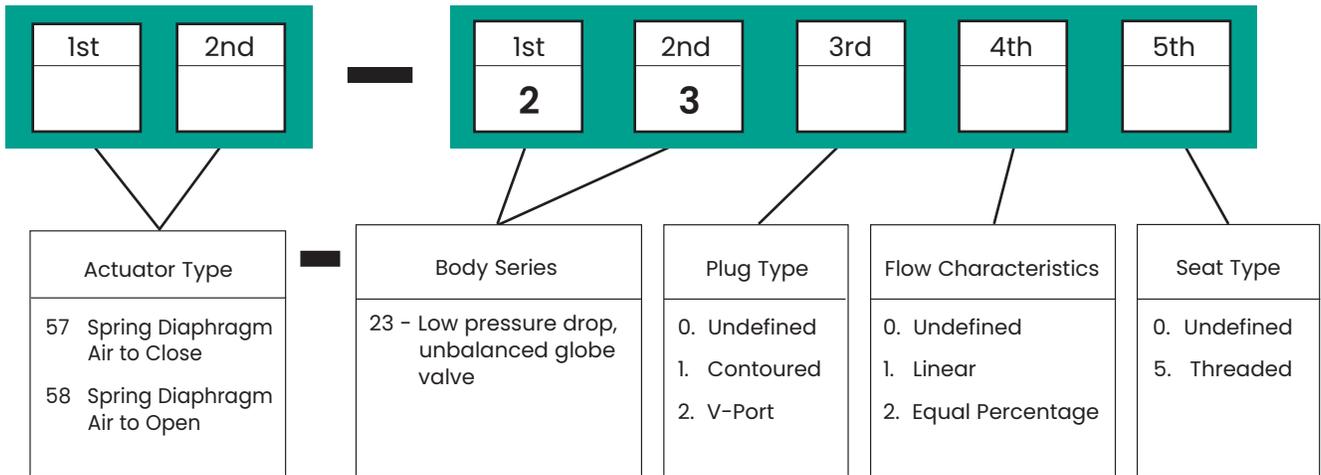
Stem and Port Guided
Globe Valve



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PXR Numbering System



Temperature Range and Seat Leakage

Contoured Trim and V-Port Trim

Valve Size		Body Rating	PN	Seat Type	Packing Material	Temperature Range ⁽¹⁾		Seat Leakage IEC 60534-4 and ASME and FCI 70.2 Class	
NPS	DN					Standard Bonnet			
						min.	max.		
0.75 to 6	20 to 150	ASME Class 150 or 300	20 to 40	Metal	Braided PTFE	-20°F (-29°C)	+450°F (+232°C)	IV	V

1. Consult factory for other materials of construction and temperature limitations. ED Directive 2014/68/EU.

Ratings and Connections

Valve Size		ASME Class 150	ASME Class 300
NPS	DN	RF	RF
0.75	20	X	X
1	25	X	X
1.5	40	X	X
2	50	X	X
3	80	X	X
4	100	X	X
6	150	X	X

C_v and F_L Versus Travel

ASME Class 150 or 300

Valve Sizes 0.75 in. through 6 in.

Direction: FLOW-TO-OPEN (FTO)
Flow Characteristic: LINEAR

Percent of Travel						10	20	30	40	50	60	70	80	90	100
F _L						0.93	0.93	0.92	0.92	0.91	0.91	0.91	0.9	0.9	0.9
Valve Size		Orifice Diameter		Travel		Rated C _v									
NPS	DN	Inch	mm	Inch	mm										
0.75	20	0.25	6.4	0.8	20.3	0.15	0.31	0.46	0.61	0.77	0.94	1.1	1.3	1.5	1.7
		0.5	12.7	0.8	20.3	0.54	1.1	1.6	2.2	2.7	3.3	4	4.6	5.3	6
		0.812	20.6	0.8	20.3	1.1	2.2	3.2	4.3	5.5	6.7	7.9	9.2	11	12
1	25	0.25	6.4	0.8	20.3	0.15	0.31	0.46	0.61	0.77	0.94	1.1	1.3	1.5	1.7
		0.5	12.7	0.8	20.3	0.54	1.1	1.6	2.2	2.7	3.3	4	4.6	5.3	6
		0.812	20.6	0.8	20.3	1.1	2.2	3.2	4.3	5.5	6.7	7.9	9.3	11	12
1.5	40	0.5	12.7	0.8	20.3	0.54	1.1	1.6	2.2	2.7	3.3	4	4.6	5.3	6
		0.994	25.2	0.8	20.3	2.1	4.2	6.1	7.9	9.9	12	14	15	17	18
		1.625	41.3	0.8	20.3	2.7	6.8	11	14	18	23	27	32	34	35
2	50	0.5	12.7	0.8	20.3	0.54	1.1	1.6	2.2	2.7	3.3	4	4.6	5.3	6
		0.994	25.2	0.8	20.3	2.2	4.4	6.4	8.4	10	12	14	16	18	19
		1.625	41.3	0.8	20.3	2.6	6.8	11	14	19	24	30	38	44	47
3	80	0.994	25.2	0.8	20.3	2.2	4.4	6.4	8.4	10	12	14	16	18	19
		1.625	41.3	0.8	20.3	2.7	7	11	15	19	24	30	40	47	52
		2.625	66.7	1.5	38.1	12	26	42	57	71	85	94	99	101	110
4	100	1.625	41.3	0.8	20.3	2.7	7.3	11	15	20	25	31	42	46	51
		2.625	66.7	1.5	38.1	13	27	42	61	76	90	104	120	125	130
		3.5	88.9	1.5	38.1	20	42	63	89	111	133	153	166	178	187
6	150	3.5	88.9	1.5	38.1	21	43	65	89	116	136	163	185	206	225
		5	127	2	50.8	64	126	182	232	283	307	328	349	371	385

C_V and F_L Versus Travel

ASME Class 150 or 300

Valve Sizes 0.75 in. through 6 in.

Direction: FLOW-TO-OPEN (FTO)
Flow Characteristic: EQUAL PERCENTAGE

Percent of Travel						10	20	30	40	50	60	70	80	90	100
F _L						0.93	0.93	0.92	0.92	0.91	0.91	0.91	0.9	0.9	0.9
Valve Size		Orifice Diameter		Travel		Rated C _V									
NPS	DN	Inch	mm	Inch	mm										
0.75	20	0.25	6.4	0.8	20.3	0.05	0.08	0.11	0.18	0.30	0.50	0.80	1.1	1.5	1.7
		0.5	12.7	0.8	20.3	0.18	0.27	0.38	0.62	1.1	1.8	2.8	4	5.1	6
		0.812	20.6	0.8	20.3	0.43	0.60	0.86	1.2	2.3	4.3	6.8	9.1	11	12
1	25	0.25	6.4	0.8	20.3	0.05	0.08	0.11	0.18	0.30	0.50	0.80	1.1	1.5	1.7
		0.5	12.7	0.8	20.3	0.18	0.27	0.38	0.62	1.1	1.8	2.8	4	5.1	6
		0.812	20.6	0.8	20.3	0.43	0.60	0.86	1.2	2.3	4.3	6.8	9.1	11	12
1.5	40	0.5	12.7	0.8	20.3	0.18	0.27	0.38	0.62	1.1	1.8	2.8	4	5.1	6
		0.994	25.2	0.8	20.3	0.43	0.73	1.1	1.7	2.7	4.6	6.9	11	15	18
		1.625	41.3	0.8	20.3	1	2.8	4.4	6.3	11	19	27	32	36	37
2	50	0.5	12.7	0.8	20.3	0.18	0.27	0.38	0.62	1.1	1.8	2.8	4	5.1	6
		0.994	25.2	0.8	20.3	0.46	0.77	1.2	1.8	2.8	4.9	7.3	11	16	19
		1.625	41.3	0.8	20.3	1	2.8	4.5	6.4	12	20	29	37	43	47
3	80	0.994	25.2	0.8	20.3	0.46	0.77	1.2	1.8	2.8	4.9	7.3	11	16	19
		1.625	41.3	0.8	20.3	1.1	2.8	4.3	6.4	12	21	31	38	45	50
		2.625	66.7	1.5	38.1	3.4	7.6	11	17	26	46	71	90	101	107
4	100	1.625	41.3	0.8	20.3	1.1	2.9	4.5	6.5	12	21	31	39	45	51
		2.625	66.7	1.5	38.1	3.4	7.5	11	17	26	46	74	97	111	120
		3.5	88.9	1.5	38.1	4.9	11	16	25	43	75	112	142	166	183
6	150	3.5	88.9	1.5	38.1	5.3	11	16	26	45	77	116	149	173	201
		5	127	2	50.8	35	67	95	128	186	264	314	338	365	384

Dimensions and Weights

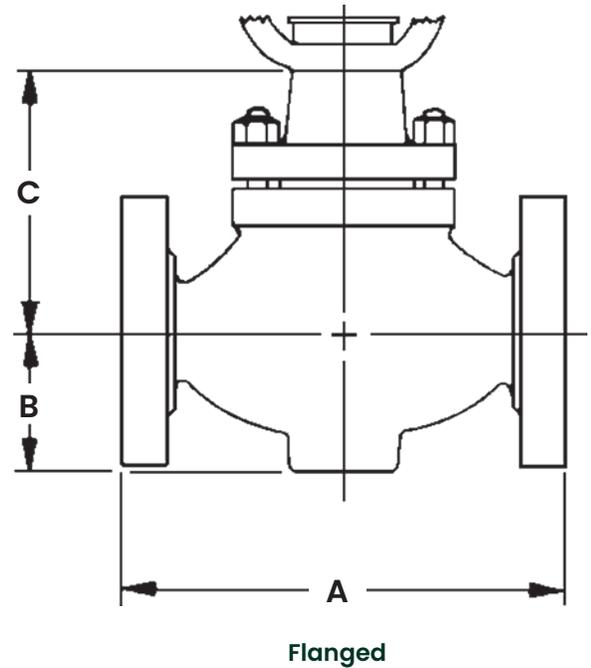
Body Sub-Assembly

ASME Class 150 or 300 (PN 20 or 40) (in.)

Valve Size (NPS)	ASME Class 150		ASME Class 300		C
	A	B	A	B	
0.75	7.25	2.09	7.63	2.4	4.17
1	7.25	2.28	7.75	2.6	4.17
1.5	8.75	2.64	9.25	3.19	4.72
2	10	3.15	10.5	3.39	4.72
3	11.75	3.86	12.5	4.25	6.34
4	13.88	4.84	14.5	5.16	6.93
6	17.75	6.57	18.62	6.57	9.69

ASME Class 150 or 300 (PN 20 or 40) (mm)

Valve Size (DN)	ASME Class 150		ASME Class 300		C
	A	B	A	B	
20	184	53	193.5	61	106
25	184	58	197	66	106
40	222.3	67	235	81	120
50	254	80	266.7	86	120
80	298.5	98	317.5	108	161
100	352.6	123	368.3	131	176
150	451	167	473	167	246



ASME Class 150 or 300 (PN 20 or 40)

Valve Size (NPS)	Lbs	
	ASME Class 150	ASME Class 300
0.75	15.1	17.3
1	15.7	19.2
1.5	24.1	30.7
2	31.6	35.8
3	60	70.8
4	79.8	97.4
6	TBD	213.6

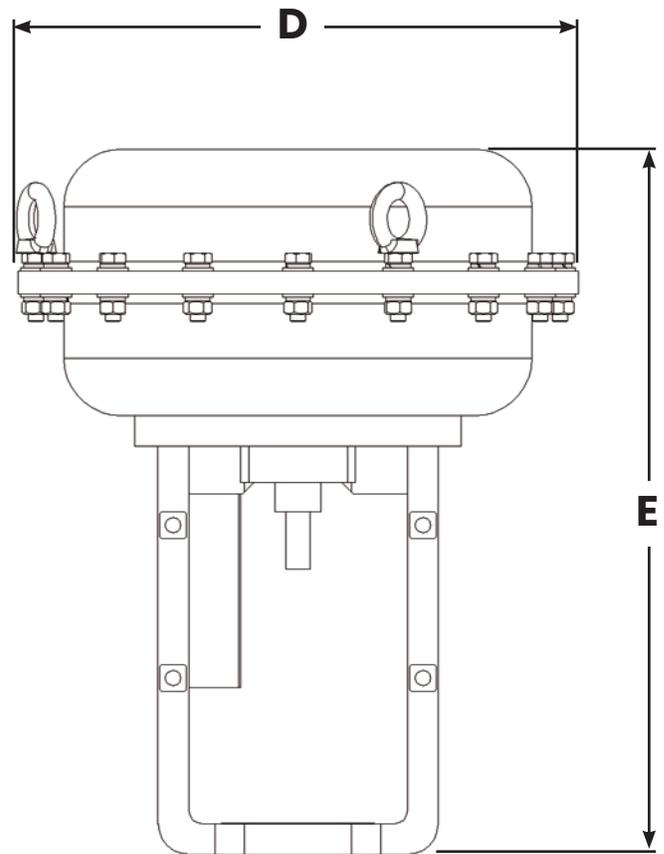
Valve Size (DN)	Kg	
	ASME Class 150	ASME Class 300
20	6.84	7.8
25	7.11	8.7
40	10.95	13.9
50	14.32	16.3
80	27.2	32.1
100	36.21	44.2
150	TBD	96.9

Dimensions and Weights

Actuator Assembly

57 Series Actuator				
Size	D		E	
	mm	in.	mm	in.
250	252	9.9	332	13.0
290	294	11.5	369	14.5
370	374	14.7	410	16.1
480	482	18.9	629	24.7
550	560	22.0	678	26.6

58 Series Actuator				
Size	D		E	
	mm	in.	mm	in.
250	252	9.9	352	13.0
290	294	11.5	389	14.5
370	374	14.7	430	16.9
370L	374	14.7	480	18.8
480	482	18.9	649	25.5
550	560	22.0	698	27.4



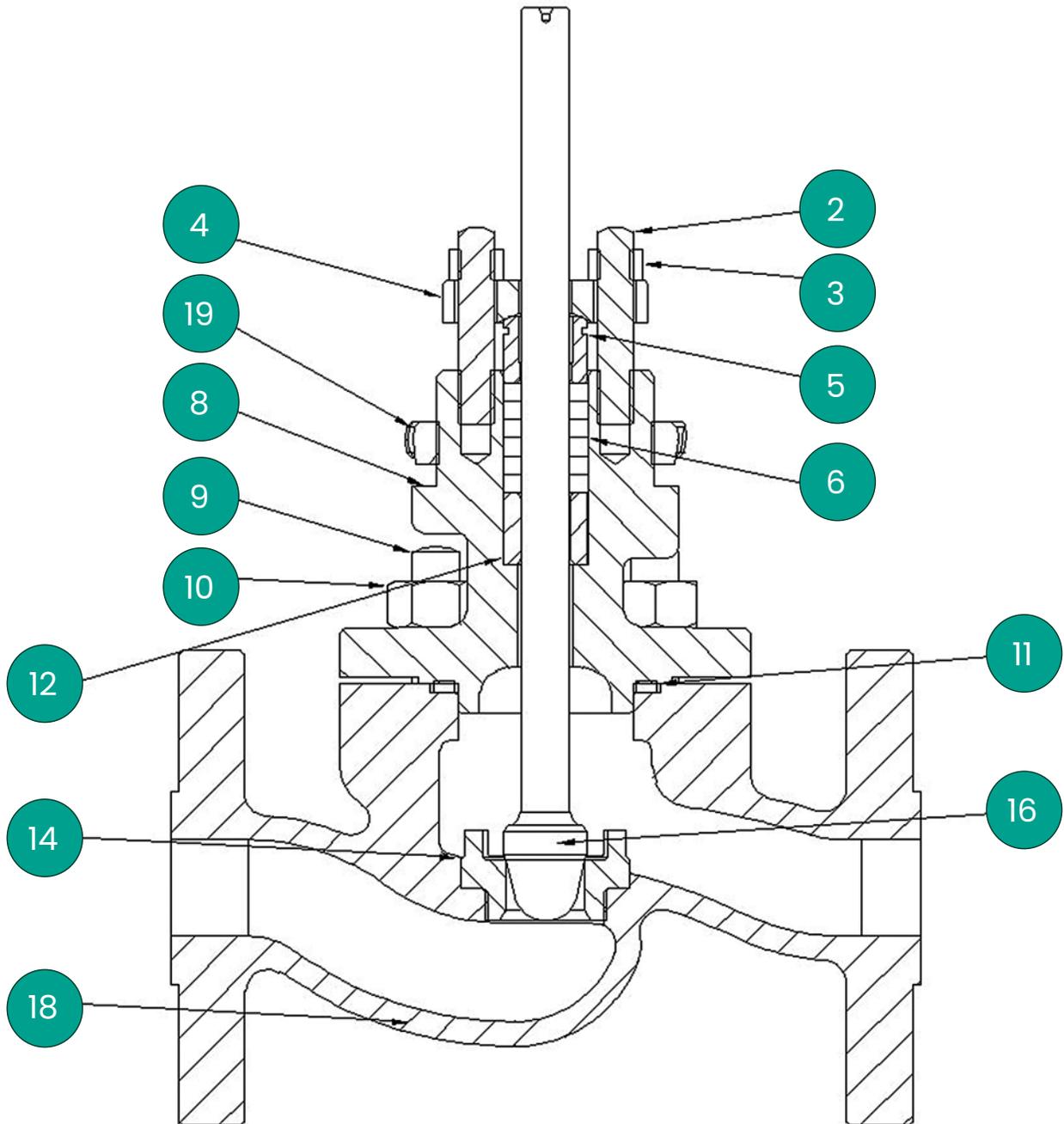
- Minimum required for Actuator Removal Clearance:
- 200 mm (7.87 in.) for actuator size 250 up to 370L
 - 300 mm (11.81 in.) for actuator size 480 and 550

57 Series Actuator		
Size	kg	lbs
250	14	30.86
290	20	44
370	33	72.75
480	96	211.64
550	122	269

58 Series Actuator		
Size	kg	lbs
250	14	30.86
290	20	44
370	33	72.75
370L	51	112.43
480	96	211.64
550	122	269

PXR Standard Design Assembly Diagram

NPS 0.75" to 3" (when Orifice $\leq 1"$)



PXR Control Valve - Standard Design 0.75" up to 3"

PXR Standard Design Materials of Construction

Carbon Steel Construction

Valve Sizes: NPS 0.75" to 3" (when Orifice ≤ 1")

Body Ratings: ASME Class 150 or 300

Ref. No.	Temperature Range	-20°F (-29° C)	450°F (232° C)
	Description	Materials	
2	Packing Flange Stud	ASTM A193 GRADE B8 CLASS 1	
3	Packing Flange Nut	ASTM A 194 GR 8	
4	Packing Flange	LOW CARBON STEEL GRADES DICHROMATE ZINC PLATED	
5	Packing Follower	SOLUTION ANNEALED 316L STAINLESS STEEL HRC 22 MAXIMUM	
6	Packing	CARBON CORE BRAIDED PTFE PACKING	
8	Valve Bonnet	ASTM A216 GRADE WCC/WCB / EN 1.0619/1.0625	
9	Body Stud	ASTM A193 GR B7/EN 1.7225	
10	Body Stud Nut	ASTM A194 GRADE 2H	
11	Body Gasket	316L STAINLESS STEEL SPIRAL WOUND GASKET WITH GRAPHITE FILLER	
12	Guide Bushing	STELLITE NO.6 (UNS 30006)	
		HARDENED 440C STAINLESS STEEL	
14	Seat Ring	HARDENED 410 STAINLESS STEEL	
		SOLUTION ANNEALED CF8M STAINLESS STEEL	
		HARDFACING STELLITE NO.6 ASTM A 351 GRADE CF8M HRC 22 MAXIMUM	
16	Integrated plug	17-4 PH STAINLESS STEEL H1075	
		SOLUTION ANNEALED 316 STAINLESS STEEL	
		HARDFACING STELLITE NO.6 ON 316 STAINLESS STEEL - HF ON SEAT ONLY	
18	Valve Body	ASTM A216 GRADE WCC/WCB / EN 1.0619/1.0625	
19	Drive Nut	LOW CARBON STEEL GRADES DICHROMATE ZINC PLATED	

PXR Standard Design

Materials of Construction

Valve Sizes: NPS 1.5" to 6" (when Orifice >1")

Body Ratings: ASME Class 150 or 300

Ref. No.	Temperature Range	-20°F (-29° C)	450°F (232° C)
	Description	Materials	
1	Plug Stem	17-4 PH STAINLESS STEEL H1075	
		HARDENED ASTM A638 GRADE 660	
2	Packing Flange Stud	ASTM A193 GRADE B8 CLASS 1	
3	Packing Flange Nut	ASTM A 194 GRADE 8	
4	Packing Flange	LOW CARBON STEEL GRADES DICHROMATE ZINC PLATED	
5	Packing Follower	SOLUTION ANNEALED 316L STAINLESS STEEL HRc 22 MAXIMUM	
6	Packing	CARBON CORE BRAIDED PTFE PACKING	
8	Valve Bonnet	ASTM A216 GRADE WCC/WCB / EN 1.0619/1.0625	
9	Body Stud	ASTM A193 GR B7/EN 1.7225	
10	Body Stud Nut	ASTM A194 GRADE 2H	
11	Body Gasket	316L STAINLESS STEEL SPIRAL WOUND GASKET WITH GRAPHITE FILLER	
12	Guide Bushing	STELLITE NO.6 (UNS 30006)	
		HARDENED 440C STAINLESS STEEL	
14	Seat Ring	HARDENED 410 STAINLESS STEEL	
		HARDFACING STELLITE NO. 21 ON CF8M STAINLESS STEEL HF ON GUIDE	
		HARDFACING STELLITE NO. 21 ON CF8M STAINLESS STEEL HF ON SEAT AND GUIDE	
16	Plug	CA6NM CLASS B STAINLESS STEEL HB 255 MAXIMUM	
		SOLUTION ANNEALED CF8M STAINLESS STEEL	
		HARDFACING STELLITE NO. 21 ON CF8M STAINLESS STEEL - HF ON SEAT	
17	Plug Stem Pin	SOLUTION ANNEALED 316 STAINLESS STEEL	
18	Valve Body	ASTM A216 GRADE WCC/WCB / EN 1.0619/1.0625	
19	Drive Nut	LOW CARBON STEEL GRADES DICHROMATE ZINC PLATED	

PXR Standard Design Materials of Construction

Stainless Steel Construction

Valve Sizes: NPS .75" to 3" (when Orifice <= 1")

Body Ratings: ASME Class 150 or 300

Ref. No.	Temperature Range	-20°F (-29° C)	450°F (232° C)
	Description	Materials	
2	Packing Flange Stud	ASTM A193 GRADE B8 CLASS 1	
3	Packing Flange Nut	ASTM A 194 GRADE 8	
4	Packing Flange	LOW CARBON STEEL GRADES DICHROMATE ZINC PLATED	
5	Packing Follower	SOLUTION ANNEALED 316L STAINLESS STEEL HRC 22 MAXIMUM	
6	Packing	CARBON CORE BRAIDED PTFE PACKING	
8	Valve Bonnet	ASTM A351 GRADE CF8M / EN 1.4408	
		ASTM A351 GRADE CF3M /EN 14408 C:0.03/14409 HRC 22 MAX	
9	Body Stud	ASTM A193 GR B7/EN 1.7225	
10	Body Stud Nut	ASTM A194 GRADE 2H	
11	Body Gasket	316L STAINLESS STEEL SPIRAL WOUND GASKET WITH GRAPHITE FILLER	
12	Guide Bushing	STELLITE NO.6 (UNS 30006)	
		HARDENED 440C STAINLESS STEEL	
14	Seat Ring	SOLUTION ANNEALED CF8M STAINLESS STEEL	
		HARDFACING STELLITE NO.6 ASTM A351 GRADE CF8M HRC 22 MAXIMUM - HF ON SEAT ONLY	
		SOLUTION ANNEALED CF3M STAINLESS STEEL	
		HARDFACING STELLITE NO.6 ON ASTM A351 GR CF3M - HF ON SEAT ONLY	
16	Integrated plug	SOLUTION ANNEALED 316 STAINLESS STEEL	
		HARDFACING STELLITE NO.6 ON 316 STAINLESS STEEL- HF ON SEAT ONLY	
		SOLUTION ANNEALED 316L STAINLESS STEEL	
		HARDFACING STELLITE NO.6 ON 316L STAINLESS STEEL - HF ON SEAT ONLY	
18	Valve Body	ASTM A351 GRADE CF8M / EN 1.4408	
		ASTM A351 GRADE CF3M /EN 14408 C:0.03/14409 HRC 22 MAX	
19	Drive Nut	LOW CARBON STEEL GRADES DICHROMATE ZINC PLATED	

PXR Standard Design Materials of Construction

Stainless Steel Construction

Valve Sizes: NPS 1.5" to 6" (when Orifice >1")

Body Ratings: ASME Class 150 or 300

Ref. No.	Temperature Range	-20°F (-29° C)	450°F (232° C)
	Description	Materials	
1	Plug Stem	SOLUTION ANNEALED 316 STAINLESS STEEL	
		SOLUTION ANNEALED 316L STAINLESS STEEL	
		HARDENED ASTM A638 GRADE 660	
2	Packing Flange Stud	ASTM A193 GRADE B8 CLASS 1	
3	Packing Flange Nut	ASTM A 194 GRADE 8	
4	Packing Flange	LOW CARBON STEEL GRADES DICHROMATE ZINC PLATED	
5	Packing Follower	SOLUTION ANNEALED 316L STAINLESS STEEL HRC 22 MAXIMUM	
6	Packing	CARBON CORE BRAIDED PTFE PACKING	
8	Valve Bonnet	ASTM A351 GRADE CF8M / EN 1.4408	
		ASTM A351 GRADE CF3M /EN 14408 C:0.03/14409 HRC 22 MAX	
9	Body Stud	ASTM A193 GRADE B7/EN 1.7225	
10	Body Stud Nut	ASTM A194 GRADE 2H	
11	Body Gasket	316L STAINLESS STEEL SPIRAL WOUND GASKET WITH GRAPHITE FILLER	
12	Guide Bushing	STELLITE NO.6 (UNS 30006)	
14	Seat Ring	HARDFACING STELLITE NO.21 ON CF8M STAINLESS STEEL - HF ON GUIDE	
		HARDFACING STELLITE NO.21 ON CF8M STAINLESS STEEL - HF ON SEAT AND GUIDE	
		HARDFACING STELLITE NO.21 ON CF3M STAINLESS STEEL - HF ON GUIDE	
		HARDFACING STELLITE NO.21 ON CF3M STAINLESS STEEL - HF ON SEAT AND GUIDE	
16	Plug	SOLUTION ANNEALED CF8M STAINLESS STEEL	
		HARDFACING STELLITE NO.21 ON CF8M STAINLESS STEEL - HF ON SEAT	
		SOLUTION ANNEALED CF3M STAINLESS STEEL	
		HARDFACING STELLITE NO.21 ON CF3M STAINLESS STEEL - HF ON SEAT	
17	Plug Stem Pin	SOLUTION ANNEALED 316 STAINLESS STEEL	
18	Valve Body	ASTM A351 GRADE CF8M / EN 1.4408	
		ASTM A351 GRADE CF3M /EN 14408 C:0.03/14409 HRC 22 MAX	
19	Drive Nut	LOW CARBON STEEL GRADES DICHROMATE ZINC PLATED	

PXR Standard Design Body Modules

Valve Sizes: NPS .75" to 6"

Body Ratings: ASME Class 150 or 300

Carbon Steel Body Module

Ref. No.	Temperature Range	-20°F (-29° C)	450°F (232° C)
	Description	Materials	
8 and 18	Valve Bonnet and Body	ASTM A216 GRADE WCC/WCB EN 1.619/1.625	
9	Body Studs	ASTM A193 GR B7 EN 1.7225	
10	Body Stud Nuts	ASTM A194 Grade 2H	
12	Guide Bushing	HARDENED 440C STAINLESS STEEL	

Note: Carbon steel body modules will provide the Austenitic Trim as the option. Then Stellite N°6 guide bushing will be selected.

Stainless Steel Body Module

Ref. No.	Temperature Range	-20°F (-29° C)	450°F (232° C)
	Description	Materials	
8 and 18	Valve Bonnet and Body	ASTM A351 GRADE CF8M / EN 1.4408 ASTM A351 GR CF3M /EN 14408 C :0.03/14409 Hrc 22 MAX	
9	Body Studs	ASTM A193 GR B7/EN 1.7225, ZINC PLATING	
10	Body Stud Nuts	ASTM A194 Grade 2H ZINC PLATING	
12	Guide Bushing	STELLITE NO.6 (UNS 30006)	

Common Parts for Body Modules

Ref. No.	Temperature Range	-20°F (-29° C)	450°F (232° C)
	Description	Materials	
2	Packing Flange Studs	ASTM A193 GR B8 CL1	
3	Packing Flange Nuts	ASTM A194 GR 8	
4	Packing Flange	LOW CARBON STEEL GRADES DICHROMATE ZINC PLATED	
5	Packing Follower	SOLUTION ANNEALED 316L STAINLESS STEEL	
11	Body Gasket	316L STAINLESS STEEL WITH GRAPHITE FILLER	
19	Drive Nut	LOW CARBON STEEL GRADES	
20	Flow Arrow	AUSTENITIC STAINLESS STEEL	
21	Drive Screw	AUSTENITIC STAINLESS STEEL	
24	Serial Plate	AUSTENITIC STAINLESS STEEL	

Packing Sets for Body Modules

Ref. No.	Temperature Range	-20°F (-29° C)	450°F (232° C)
	Description	Materials	
6	Packing Kit	CARBON CORE BRAIDED PTFE PACKING	

PXR Standard Design Trim Modules

Austenitic Trim Module for Carbon Steel Body Modules

NPS 0.75" to 3" (when Orifice $\leq 1"$)

Body Ratings: ASME Class 150 or 300

Ref. No.	Temperature Range	-20°F (-29° C)	450°F (232° C)
	Description	Materials	
14	Seat Ring	SOLUTION ANNEALED CF8M STAINLESS STEEL	
		HARDFACING STELLITE NO.6 ASTM A351 GRADE CF8M HRC 22 MAXIMUM - HF ON SEAT ONLY	
16	Integrated Plug	SOLUTION ANNEALED 316 STAINLESS STEEL	
		HARDFACING STELLITE NO.6 ON 316 STAINLESS STEEL - HF ON SEAT ONLY	

NPS 1.5" to 6" (when Orifice $> 1"$)

Ref. No.	Temperature Range	-20°F (-29° C)	450°F (232° C)
	Description	Materials	
1	Plug Stem	SOLUTION ANNEALED 316 STAINLESS STEEL	
		HARDENED ASTM A638 GRADE 660	
14	Seat Ring	HARDFACING STELLITE NO. 21 ON CF8M STAINLESS STEEL - HF ON GUIDE	
		HARDFACING STELLITE NO. 21 ON CF8M STAINLESS STEEL - HF ON SEAT AND GUIDE	
16	Plug	SOLUTION ANNEALED CF8M STAINLESS STEEL	
		HARDFACING STELLITE NO. 21 ON CF8M STAINLESS STEEL - HF ON SEAT	
17	Plug Stem Pin	SOLUTION ANNEALED 316 STAINLESS STEEL	

PXR Standard Design Trim Modules

Austenitic Trim Module for Stainless Steel Body Modules

NPS .75" to 3" (when Orifice $\leq 1"$)

Ref. No.	Temperature Range	-20°F (-29° C)	450°F (232° C)
	Description	Materials	
14	Seat Ring	SOLUTION ANNEALED CF8M STAINLESS STEEL	
		HARDFACING STELLITE NO.6 ASTM A351 GRADE CF8M HRC 22 MAXIMUM - HF ON SEAT ONLY	
		SOLUTION ANNEALED CF3M STAINLESS STEEL	
		HARDFACING STELLITE NO.6 ON ASTM A351 GR CF3M - HF ON SEAT ONLY	
16	Integrated Plug	SOLUTION ANNEALED 316 STAINLESS STEEL	
		HARDFACING STELLITE NO.6 ON 316 STAINLESS STEEL - HF ON SEAT ONLY	
		SOLUTION ANNEALED 316L STAINLESS STEEL	
		HARDFACING STELLITE NO.6 ON 316L STAINLESS STEEL - HF ON SEAT ONLY	

NPS 1.5" to 6" (when Orifice $> 1"$)

Ref. No.	Temperature Range	-20°F (-29° C)	450°F (232° C)
	Description	Materials	
1	Plug Stem	SOLUTION ANNEALED 316 STAINLESS STEEL ⁽¹⁾	
		SOLUTION ANNEALED 316L STAINLESS STEEL ⁽¹⁾	
		HARDENED ASTM A638 GRADE 660	
14	Seat Ring	HARDFACING STELLITE NO.21 ON CF8M STAINLESS STEEL - HF ON GUIDE	
		HARDFACING STELLITE NO.21 ON CF8M STAINLESS STEEL - HF ON SEAT AND GUIDE	
		HARDFACING STELLITE NO.21 ON CF3M STAINLESS STEEL - HF ON GUIDE	
		HARDFACING STELLITE NO.21 ON CF3M STAINLESS STEEL - HF ON SEAT AND GUIDE	
16	Plug	SOLUTION ANNEALED CF8M STAINLESS STEEL	
		HARDFACING STELLITE NO.21 ON CF8M STAINLESS STEEL - HF ON SEAT	
		SOLUTION ANNEALED CF8M STAINLESS STEEL	
		HARDFACING STELLITE NO.6 ON CF8M STAINLESS STEEL - HF ON SEAT	
17	Plug Stem Pin	SOLUTION ANNEALED 316 STAINLESS STEEL	

1. 316 stem is to be replaced by Grade 660 when required due to high pressure drop.

PXR Standard Design Trim Modules

Martenistic Trim Module for Carbon Steel Body Modules

NPS .75" to 3" (when Orifice $\leq 1"$)

Body Ratings: ASME Class 150 or 300

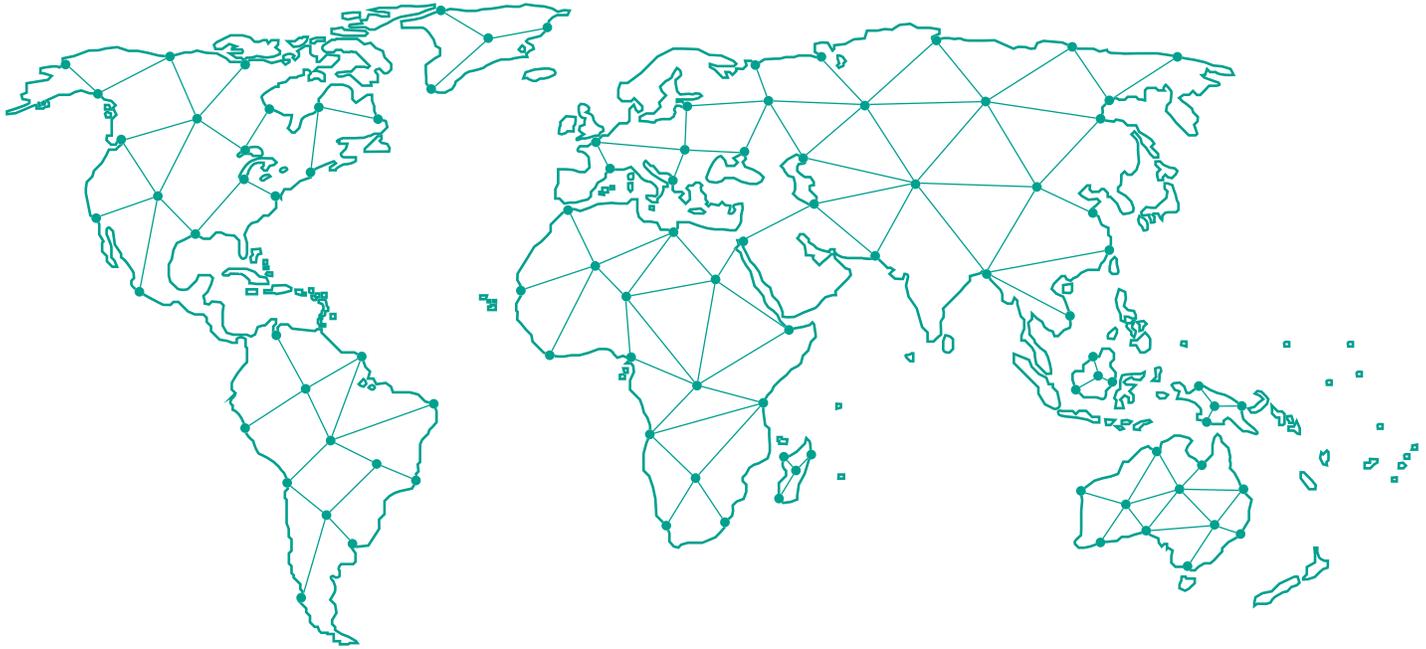
Ref. No.	Temperature Range	-20°F (-29° C)	450°F (232° C)
	Description	Materials	
14	Seat Ring	HARDENED 410 STAINLESS STEEL	
16	Integrated Plug	17-4 PH STAINLESS STEEL H1075	

NPS 1.5" to 6" (when Orifice $> 1"$)

Ref. No.	Temperature Range	-20°F (-29° C)	450°F (232° C)
	Description	Materials	
1	Plug Stem	17-4 PH STAINLESS STEEL H1075	
14	Seat Ring	HARDENED 410 STAINLESS STEEL	
16	Plug	CA6NM CLASS B STAINLESS STEEL HB 255 MAXIMUM	
17	Plug Stem Pin	SOLUTION ANNEALED 316 STAINLESS STEEL	

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