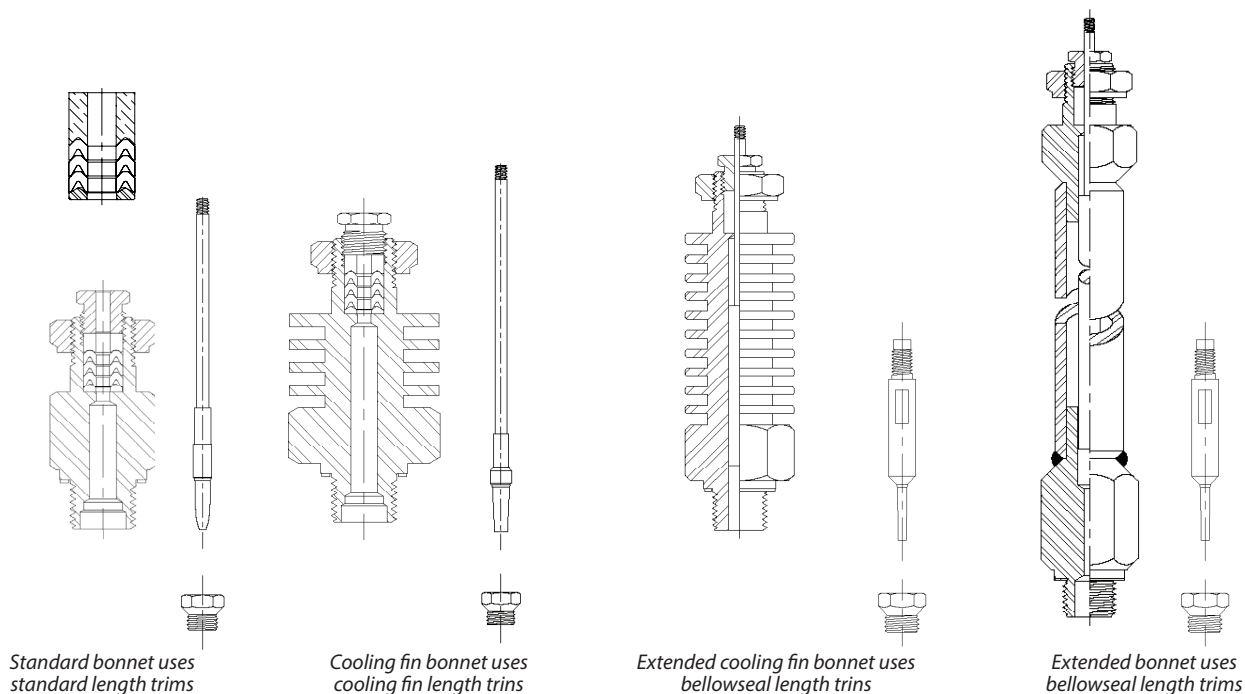
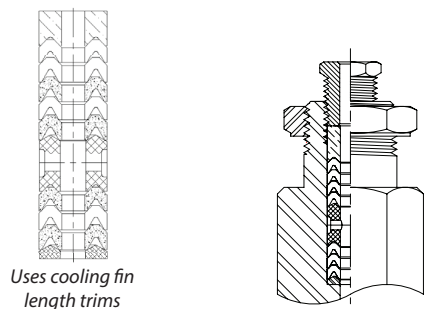


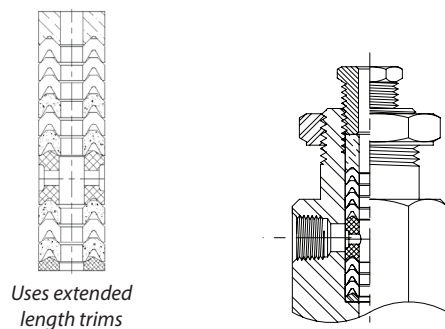
STYLE 1 – SINGLE PACKED BONNETS



STYLE 2 – DOUBLE PACKED BONNETS



STYLE 3 – DOUBLE WITH PURGE PORT



PACKING RINGS

CV Rings Required	Valve Size			
	1/4"	1/2"	3/4"	1"
Style 1 (Std)	3	3	3	3
Style 2 (Double)	8	7	7	7
Style 3 (Double w/ Purge)	10	7	7	7

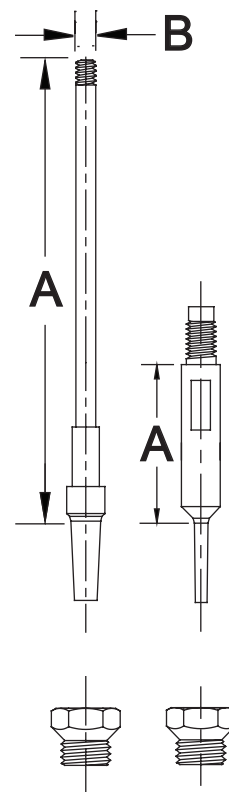
TRIM DIMENSIONS

Trim Length "A" (in.) *	Valve Size			
	1/4"	1/2"	3/4"	1"
Standard-Style 1	2.91	4.09	5.08	5.09
Cooling Fin-Style 1	3.59	5.09	5.08	5.09
Double Packed-Style 2	3.59	5.09	CF	CF
Double w/Purge-Style 3	3.88	CF	CF	CF
Extended Cooling Fin	1.00	1.19	1.33	1.31
Bellows Seale d	1.00	1.19	1.33	1.31
Extende d	1.00	1.19	1.33	1.31
Stem Diameter "B" (in.)	0.13	0.19	0.19	0.19

Trim Length "A" (mm)*	Valve Size			
	1/4"	1/2"	3/4"	1"
Standard-Style 1	73.9	103.8	129.0	129.3
Cooling Fin-Style 1	91.2	129.3	129.0	129.3
Double Packed-Style 2	91.2	129.3	CF	CF
Double w/Purge-Style 3	98.6	CF	CF	CF
Extended Cooling Fin	25.4	30.2	33.8	33.3
Bellows Seale d	25.4	30.2	33.8	33.3
Extende d	25.4	30.2	33.8	33.3
Stem Diameter "B" (mm)	3.3	4.8	4.8	4.8

Notes: CF-Consult Factory. Metric dimensions are conversions from inches.

* Refer to factory for "P-Trims" and 3/4" Trims 3.0 & 4.0.



TRIM MARKINGS

All trims are marked with the trim size, characteristic and material code.

Example: BLN 1, Trim size "B" Linear; 316/316L plug and seat

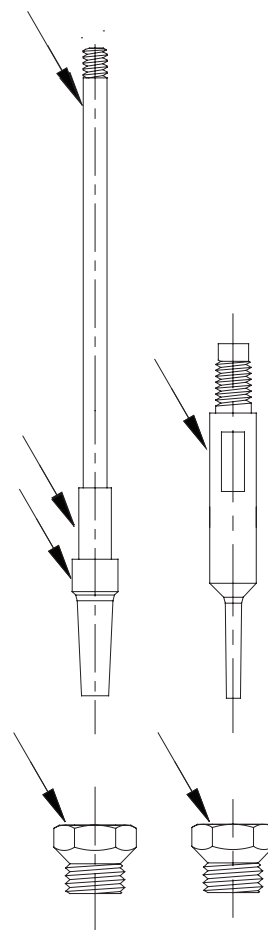
Example: JEP 12, Trim size "J" Equal Percentage; Stellite plug & seat

Most Common Size Trim Codes

Trim Code	Trim	Cv	Characteristic
60L	6	6	Linear
60P	6	6	Equal %
50L	5	5	Linear
50P	5	5	Equal %
45L	4.5	4.5	Linear
45P	4.5	4.5	Equal %
35L	3.5	3.5	Linear
35P	3.5	3.5	Equal %
ALN	A	2.5	Linear
AEP	A	2.5	Equal %
BLN	B	2	Linear
BEP	B	2	Equal %
CLN	C	1.25	Linear
CEP	C	1.25	Equal %
DLN	D	0.8	Linear
DEP	D	0.8	Equal %
ELN	E	0.5	Linear
EEP	E	0.5	Equal %
FLN	F	0.32	Linear
FEP	F	0.32	Equal %
GLN	G	0.2	Linear
GEP	G	0.2	Equal %
HLN	H	0.13	Linear
HEP	H	0.13	Equal %
ILN	I	0.08	Linear
IEP	I	0.08	Equal %
JLN	J	0.05	Linear
JEP	J	0.05	Equal %
KLN	K	0.03	Linear
LLN	L	0.02	Linear
MLN	M	0.01	Linear
NLN	N	0.006	Linear
OLN	O	0.003	Linear
P01	P01	0.002	Linear
P02	P02	0.0013	Linear
P03	P03	0.001	Linear
P04	P04	0.0006	Linear
P05	P05	0.0004	Linear
P06	P06	0.00027	Linear
P07	P07	0.00018	Linear
P08	P08	0.00012	Linear
P09	P09	0.00008	Linear
P10	P10	0.00005	Linear
P11	P11	0.000036	Linear
P12	P12	0.000024	Linear
P13	P13	0.000016	Linear
P14	P14	0.00001	Linear
P15	P15	0.000006	Linear
P16	P16	0.000004	Linear
P17	P17	0.0000027	Linear
P18	P18	0.0000018	Linear

Marking Locations

Both the plug and seat are marked with locations of the markings, varying depending on trim type and size. The most common marking locations are shown below.



Most Common Trim Material Codes *

Code	Plug Material	Seat Material	Notes
1	316/316L SST	316/316L SST	—
7	Alloy 20	Alloy 20	—
9	Monel®	Monel	—
12	Stellite®	Stellite inlaid	Non P-Trim
13	Stellite	416 SST	P-Trim
15	Alloy B	Alloy B	—
16	Alloy C	Alloy C	—
20	Stellite (solid plug)	416 SST	P-Trim
27	Stellite (solid plug)	Stellite inlaid	P-Trim
28	316 SST w/TFE soft seat	316 SST	—
50	Inconel®	Inconel	—
95	KYNAR®	Kynar	—

* Extended list available through Customer Service.

Control. Manage. Optimize.

Research Control is a registered trademark of Badger Meter, Inc. Other trademarks appearing in this document are the property of their respective entities. Due to continuous research, product improvements and enhancements, Badger Meter reserves the right to change product or system specifications without notice, except to the extent an outstanding contractual obligation exists. © 2021 Badger Meter, Inc. All rights reserved.

www.badgermeter.com