

Thermostatic Valve
Cross Reference

CROSS REFERENCE GUIDE FOR BASE MODELS ONLY - REVIEW ALL OPTIONS, FEATURES, AND PLUMBING SYSTEM REQUIREMENTS FOR CORRECT CROSS

Point of Use Valve Cross Reference

	3/8"		1/2"		3/4"		1"
Bradley	S59-4000A	S59-4000BY	S59-4000	S59-4007	S59-4016	S59-4016	-
	S59-4100A	S59-4100BY	S59-4000		S59-4200	S59-4200	
Leonard	170-LF	170-LF-BP		270-LF		370-LF	
Powers	LFE480-10				LFLM495**	LFLM495**	LFLM495**
Watts	LFUSG-B-M2				LFMMV-M1	LFMMV-M1	LFMMV-M1
Symmons	7-210-CK			7-225-CK-MS	7-225-CK-PEX	7-230-CK-M	
						7-230-CK-FS	
Zurn	ZW3870XLT	ZW3870XLT-4P		ZW1070XL		ZW1070XL	
Apollo	34DLF	34DLF			34ALF		34ALF
Lawler		TMM-1070T1		570		310	
				310			
Honeywell	UMV-304U				AM100**	AM101**	AM102**
					AM100C1070**	AM101C1070**	AM102C1070**
Cash Acme	HG145	HG145		HG160	HG110**	HG110**	HG110**
Acorn	ST70-38		ST70-12		ST7069	ST7017	ST7017
	ST70CP-38		ST70CP-12		ST7017		
Caleffi	5213				521**	521**	521**

** Multiple options/connections offered. See competitive site for exact match

Lead-Free

Connection Type	BRADLEY	WATTS	POWERS	ZURN	APOLLO	LEONARD	SYMMONS	LAWLER	ACORN	CALEFFI	CASH ACME	HONEYWELL
	ASSE 1017 ASSE 1069 ASSE 1070	ASSE 1017 ASSE 1069 ASSE 1070	ASSE 1017 ASSE 1069 ASSE 1070	ASSE 1070	ASSE 1017	ASSE 1017 ASSE 1070	ASSE 1017 ASSE 1070	ASSE 1016 ASSE 1070	ASSE 1017 ASSE 1070	ASSE 1017	ASSE 1017 ASSE 1069 ASSE 1070	ASSE 1070
1/2" SWT	S59-4200S1	LFMMV-US M1	LFLM495-2	12-ZW1070XLC	34ALF213S	270-LF-SW	7-230-CK-FS		ST7017	521409A	HG110 (24501)	AM100-US-1LF/AM100C1070-US-1LF
1/2" NPT	S59-4200T1	LFMMV-UT M1	LFLM495-1	12-ZW1070XL	34ALF213T	270-LF		310	ST7069	521400A	HG110 (24510)	AM100-1LF/AM100C1070-UT-1LF
1/2" PEX	S59-4200X1	LFMMV-PEX-M1	LFLM495-4	12-ZW1070XLPEX	34ALF213X	270-LF-PEX	7-225-CK-PEX		ST7017	521407A	HG110 (24506)	AM100C1070-UPEX-1LF
3/4" SWT	S59-4200S3	LFMMV-US M1	LFLM496-2	34-ZW1070XLC	34ALF214S	370-LF-SW			ST7017	521509A	HG110 (24502)	AM101-US-1LF/AM101C1070-US-1LF
3/4" NPT	S59-4200T3	LFMMV-UT M1	LFLM496-1	34-ZW1070XL	34ALF214T	370-LF	7-230-CK-M	310		521500A	HG110 (25523)	AM101-1LF/AM101C1070-UT-1LF
3/4" PEX	S59-4200X3	LFMMV-PEX M1	LFLM496-4	34-ZW1070XLPEX	34ALF214X	370-LF-PEX			ST7017	521507A	HG110 (24507)	AM101C1070-UT-1LF

Watts/Powers Model	Bradley Old	Bradley New
LFG480-00	S59-4000	S59-4100
LFG480-10	S59-4000A	S59-4100A
LFG480-10-TEE	S59-4000BY	S59-4100BY
LFMMV-UT-M1 1/2"	S59-4016D	S59-4200T1
LFMMV-UT-M1 3/4"	S59-4016N	S59-4200T3
LFMMV-US-M1 1/2"	NA	S59-4200S1
LFMMV-US-M1 3/4"	S59-4016S	S59-4200S3
LFMMV-PEX-M1 1/2"	S59-4016X	S59-4200X1
LFMMV-PEX-M1 3/4"	S59-4016Y	S59-4200X3
LFMMV-CEF-M1 1/2"	S59-4016EX	S59-4200E1
LFMMV-CEF-M1 3/4"	S59-4016EY	S59-4200E3
LFMMV-CPVC-M1 1/2"	NA	S59-4200P1
LFMMV-CPVC-M1 3/4"	NA	S59-4200P3
LFMMV-QC-M1 1/2"	NA	S59-4200Q1
LFMMV-QC-M1 3/4"	NA	S59-4200Q3

Thermostatic Valve
Cross Reference

CROSS REFERENCE GUIDE FOR BASE MODELS ONLY - REVIEW ALL OPTIONS, FEATURES, AND PLUMBING SYSTEM REQUIREMENTS FOR CORRECT CROSS

Acorn/Bradley Cross Reference Guide

High-Low									
Acorn Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size	Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size
MV17-1	0.5	15	1/2"	1/2"	NA				
MV17-2	1.0	45	3/4"	1"	HL45 (S59-3045)	2.0	77	3/4"	1"
MV17-3	2.0	90	1"	1 1/4"	HL80 (S59-3080)	2.0	77	1"	1 1/4"
MV17-4	3.0	150	1 1/4"	1 1/2"	HL130 (S59-3130)	4.0	126	1 1/4"	1"
MV17-5	4.0	225	1 1/2"	2"	HL200 (S59-3200)	5.0	192	2"	2"
MV17CP-1	0.5	15	1/2"	1/2"	NA				
MV17CP-2	1.0	45	3/4"	1"	HL45 - C (S59-3045)	2.0	77	3/4"	1"
MV17CP-3	2.0	90	1"	1 1/4"	HL80 - C (S59-3080)	2.0	77	1"	1 1/4"
MV17CP-4	3.0	150	1 1/4"	1 1/2"	HL130 - C (S59-3130)	4.0	126	1 1/4"	1"
MV17CP-5	4.0	225	1 1/2"	2"	HL200 - C (S59-3200)	5.0	192	2"	2"
SFMMV-23	3.0	135	1 1/4"	2"	HL130 (S59-3130)	4.0	126	1 1/4"	1"
SFMMV-24	4.0	195	1 1/2"	2"	HL200 (S59-3200)	5.0	192	2"	2"
SFMMV-25	5.0	270	2"	2 1/2"	HL2X2 (S59-3400)	10.0	384	3"	3"
SFMMV-33	4.0	180	1 1/4"	2"	HL200 (S59-3200)	5.0	192	2"	2"
SFMMV-34	5.0	240	1 1/2"	2"	HL2X1 (S59-3260)	8.0	252	2"	2"
SFMMV-35	6.0	315	2"	3"	HL2X2 (S59-3400)	10.0	384	3"	3"
SFMMV-44	6.0	300	1 1/2"	2"	HL2X2 (S59-3400)	10.0	384	3"	3"
SFMMV-45	7.0	375	2"	3"	HL2X2 (S59-3400)	10.0	384	3"	3"
SFMMV-55	8.0	450	2"	3"	Contact Bradley				
SFMMV-55S	12.0	675	3"	4"	Contact Bradley				

H/L Recirculation Systems									
Acorn Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size	Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size
SFMV-1	0.5	15	1/2"	1/2"	TMV25 - P (S59-2025)	2.0	20	3/4"	3/4"
SFMV-2	1.0	45	3/4"	1"	TMV45 - P (S59-2045)	5.0	37	3/4"	1"
SFMV-3	2.0	90	1"	1 1/4"	TMV80 - P (S59-2080)	8.0	74	1"	1 1/4"
SFMV-4	3.0	150	1 1/4"	1 1/2"	TMV130 - P (S59-2130)	13.0	126	1 1/4"	1 1/2"
SFMV-5	4.0	225	1 1/2"	2"	TMV200-P (S59-2200)	20.0	192	2"	2"

Emergency Fixtures									
Acorn Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size	Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size
ET71-1	0.5	12	1/2"	1/2"	EFX8 (S19-2000)	2.0	9	1/2"	1/2"
ET71-2	1.0	43	3/4"	1"	EFX20 (S19-2150)	2.0	25.5	3/4"	1"
ET71-3	2.0	86	1"	1 1/4"	EFX50 (S19-2250)	2.0	54	1"	1 1/4"
ET71-4	3.0	150	1 1/4"	1 1/2"	EFX120 (S19-2350)	2.0	92	1 1/4"	1 1/2"

Emergency Recirculation Systems									
Acorn Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size	Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size
SFET-1	0.5	12	1/2"	1/2"	NA				
SFET-2	1	43	3/4"	1"	EFX20 - P (S19-2150)	3.0	36.8	3/4"	1"
SFET-3	2	86	1"	1 1/4"	EFX50 - P (S19-2250)	3.0	73	1"	1 1/4"
SFET-4	3	135	1 1/4"	1 1/2"	EFX120 - P (S19-2350)	3.0	112	1 1/4"	1 1/2"

Sink/Shower Valve											
Acorn Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size	Bradley New Number	Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size	
ST7069	0.5	12	1/2"	1/2"		S59-2007	0.5	8	1/2"	1/2"	
STP7069	0.25	4.5	1/2"	1/2"	S59-4200T1	S59-4000 (ASSE 1070 only	0.2	5.5	1/2"	1/2"	
ST70-12	0.25	4.5	1/2"	1/2"	S59-4100	S59-4000	0.2	5.5	1/2"	1/2"	
ST70-38	0.25	4	3/8"	3/8"	S59-4100A	S59-4000A	0.2	5.5	3/8"	3/8"	
ST70-38-BCT	0.25	4	3/8"	3/8"	S59-4100BY	S59-4000BY	0.2	5.5	3/8"	3/8"	
ST7017-12CU	0.25	19	1/2"	1/2"	S59-4200S1	S59-4016D	0.5	15	1/2"	1/2"	
ST7017-34CU	0.25	21	3/4"	3/4"		S59-2025	2	25	3/4"	3/4"	
ST7017-12FNPT	0.25	19	1/2"	1/2"	S59-4200T1	S59-4016D	0.5	15	1/2"	1/2"	
ST7017-34FNPT	0.25	21	3/4"	3/4"		S59-2025	2	25	3/4"	3/4"	
ST7017-12PEX	0.25	19	1/2"	1/2"	S59-4200X1	S59-4016X	0.5	15	1/2"	1/2"	
ST7017-34PEX	0.25	21	3/4"	3/4"		No Equal to Pex connection at flow rate					
ST7017-12CPVC	0.25	19	1/2"	1/2"	S59-4200P1						
ST7017-34CPVC	0.25	21	3/4"	3/4"		No Equal to CPVC connection					
ST7017-12PF	0.25	19	1/2"	1/2"	S59-4200Q						
ST7017-34PF	0.25	21	3/4"	3/4"		No equal to press fit connection					

Sink/Shower Recirculation Systems									
Acorn Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size	Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size
SFST	0.5	12	1/2"	1/2"	NA				

Options		
Cabinet Type	Acorn	Bradley
Stainless Steel Surface Mount	SMC-SSTL	SS
Stainless Steel Recessed Mount	RC-SSTL	RS
Baked White Enamel Surface Mount	SMC-PRC	SE
Baked White Enamel Recessed Mount	RC-PRC	RE

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Armstrong/Bradley Cross Reference Guide

Digital Mixing Valves

Armstrong Model Brain:	Min. Flow Capacity (GPM)	Flow Capacity at 20 PSI	Inlet Size	Outlet Size
DRV25	2.0	45	1"	1"
DRV40	5.0	98	1-1/2"	1-1/2"
DRV50	10.0	188	2"	2"
DRV80	10.0	188	3"	3"

Digital Recirculation Systems

Armstrong Model Brain:	Min. Flow Capacity (GPM)	Flow Capacity at 20 PSI	Inlet Size	Outlet Size
DMC25	2.0	45	1"	1"
DMC25 Flex	2.0	45	1"	1"
DMC25-25	4.0	90	1-1/2"	1-1/2"
DMC40	5.0	98	1-1/2"	1-1/2"
DMC40 Flex	5.0	98	1-1/2"	1-1/2"
DMC40-40	10.0	196	2-1/2"	2-1/2"
DMC50	10.0	188	2"	2"
DMC50 Flex	10.0	188	2"	2"
DMC80	10.0	188	3"	3"
DMC80 Flex	10.0	188	3"	3"
DMC80-80	20.0	376	4"	4"
DMC80-80-80	30.0	564	5"	5"

Armstrong Model Brain:	Min. Flow Capacity (GPM)	Flow Capacity at 5 PSI	Inlet Size	Outlet Size
DMC50-50	20.0	376	3"	3"

*Must confirm all other options including recirculation pump

Bradley Model Navigator:	Min. Flow Capacity (GPM)	Flow Capacity at 20 PSI	Inlet Size	Outlet Size
NRG75 (S59-5075)	2.0	41	3/4"	3/4"
NRG125 (S59-5125)	4.0	106	1-1/4"	1-1/4"
NRG150 (S59-5150)	0.0**	189	1-1/2"	1-1/2"
NRG200 (S59-5200)	9.0	204	2"	2"

Bradley Model Navigator:	Min. Flow Capacity (GPM)	Flow Capacity at 20 PSI	Inlet Size	Outlet Size
NRS-D7	2.0	41	3/4"	3/4"
NRS-D7	2.0	41	3/4"	3/4"
NRS-D12	4.0	106	1-1/4"	1-1/4"
NRS-D12	4.0	106	1-1/4"	1-1/4"
NRS-D12	4.0	106	1-1/4"	1-1/4"
NRS-D20	9.0	204	2"	2"
NRS-D20	9.0	204	2"	2"
NRS-D20	9.0	204	2"	2"
NRS-D20	9.0	204	2"	2"
NRS-D20	9.0	204	2"	2"
NRS-D30	18.0	408	3"	3"
No direct equivalent - Consult with Product Management				

Bradley Model Navigator:	Min. Flow Capacity (GPM)	Flow Capacity at 5 PSI	Inlet Size	Outlet Size
NRS-D30	18.0	408	3"	3"

Thermostatic Valve
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Apollo Conbraco /Bradley Cross Reference Guide

Standard					Bradley New Number	Bradley Model			
Apollo Valve	Min. Flow Capacity (GPM)	Flow Capacity at 30 PSI	Inlet Size	Outlet Size		Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size
34ALF213 (T, S, X, X2)	0.5	19	1/2"	1/2"	S59-4200T1, S59-2400S1, S59-4200X1, S59-4200E1 S59-4200T3, S59-4200S3, S59-4200X3, S59-4200E3 S59-4200T3, S59-4200S3, S59-4200X3, S59-4200E3 S59-4100A	TMV25 (S59-2 2	25	3/4"	3/4"
34ALF214 (T, S, X, X2)	0.5	19	3/4"	3/4"		TMV25 (S59-2 2	25	3/4"	3/4"
34ALF215 (T, S, X, X2)	0.5	19	1"	1"		TMV25 (S59-2 2	25	3/4"	3/4"
34BLF313 (T, S, X, X2)	0.5	11	1/2"	1/2"		S59-4016D, S 0.5	16	1/2"	1/2"
34BLF314 (T, S, X, X2)	0.5	11	3/4"	3/4"		S59-4016N, S 0.5	16	3/4"	3/4"
34BLF315 (T, S, X, X2)	0.5	11	1"	1"		S59-4016N, S 0.5	16	3/4"	3/4"
34DLF	0.5	3	3/8"	3/8"		S59-4000A 0.3	5	3/8"	3/8"
34ELF103	0.5	15	1/2"	1/2"		S19-2000 0.5	8	1/2"	1/2"
34ELF104	0.5	15	3/4"	3/4"		S19-2000 0.5	8	1/2"	1/2"
34CLF-104-01		75	3/4"	3/4"		TMV80 (S59-2 8	74	1"	1 1/4"
34CLF-105-01		90	1"	1"		TMV130 (S59- 10	126	1-1/2"	1-1/2"
34CLF-106-01		150	1-1/4"	1-1/4"		TMV200 (S59- 20	192	2"	2"
34CLF-107-01		155	1-1/2"	1-1/2"		TMV200 (S59- 20	192	2"	2"
34CLF-108-01		165	2"	2"		TMV200 (S59- 20	192	2"	2"

Thermostatic Valve
Cross Reference

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Bradley TMV vs. DMV Cross Reference Guide

High/Low Valves

Bradley Navigator	Min. Flow Capacity (GPM)	Flow Capacity at 20 PSI	Inlet Size	Outlet Size
HL45 (S59-3045)	0.5*	29	3/4"	1"
HL80 (S59-3080)	0.5*	51	1"	1-1/4"
HL130 (S59-3130)	0.5*	83	1-1/4"	1-1/2"
HL200 (S59-3200)	0.5*	127	2"	2"
HL2X1 (S59-3260)	0.5*	166	2"	2"
HL2X2 (S59-3400)	0.5*	254	3"	3"

High/Low Recirculation Systems

Bradley Navigator	Min. Flow Capacity (GPM)	Flow Capacity at 20 PSI	Inlet Size	Outlet Size
NRS-4	0.5*	29	3/4"	1"
NRS-8	0.5*	51	1"	1-1/4"
NRS-13	0.5*	83	1-1/4"	1-1/2"
NRS-20	0.5*	127	2"	2"

Digital Mixing Valve

Bradley Navigator	Min. Flow Capacity (GPM)	Flow Capacity at 20 PSI	Inlet Size	Outlet Size
NRG75 (S59-5075)	0.0*	41	3/4"	3/4"
NRG100 (S59-5100)	0.0*	87	1"	1"
NRG100 (S59-5100)	0.0*	87	1"	1"
No direct equivalent - Consult with Product Management				
NRG150 (S59-5150)	0.0*	189	1-1/2"	1-1/2"
No direct equivalent - Consult with Product Management				

Digital Recirculation Systems

Bradley Navigator	Min. Flow Capacity (GPM)	Flow Capacity at 20 PSI	Inlet Size	Outlet Size
NRS-D7	0.0*	41	3/4"	3/4"
NRS-D10	0.0*	87	1"	1"
NRS-D10	0.0*	87	1"	1"
No direct equivalent - Consult with Product Management				

*When properly installed near the hot water source with a continuously operating recirculation pump, the valve will maintain set temperature with a 0 or 0.5 GPM (2.0 L/Min) draw from the plumbing system.

Thermostatic Valve
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Caleffi/Bradley Cross Reference Guide

Standard									
Caleffi Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size	Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size
5231*	4.4	35	1"	1"	TMV45 (S59-2045)	5.0	47	3/4"	1"
5231*	4.4	40	1/4"	1/4"	TMV45 (S59-2045)	5.0	47	3/4"	1"
5231*	8.8	62	1/2"	1/2"	TMV80 (S59-2080)	8.0	74	1"	1 1/4"
5231*	8.8	75	2"	2"	TMV80 (S59-2080)	8.0	74	1"	1 1/4"

* Caleffi offers multiple options/connections offered. See Caleffi Product Guide for all configurations

H/L Recirculation Systems

Caleffi Model	Min. Flow Capacity (GPM)	Flow Capacity at 30 PSI	Inlet Size	Outlet Size	Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 30 PSI	Inlet Size	Outlet Size
NA52367HL	1	50	1"	1 1/4"	HL80 S59-3080	2	63	1"	1 1/4"

Digital Mixing Valves

Caleffi Model	Min. Flow Capacity (GPM)	Flow Capacity at 20 PSI	Inlet Size	Outlet Size	Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 20 PSI	Inlet Size	Outlet Size
LEGIOMAX 6000 Series:					Navigator:				
600054A	0.0**	43	3/4" NPT	3/4" NPT	NRG75 (S59-5075)	0.0**	41	3/4"	3/4"
600056A	0.0**	43	3/4" Press	3/4" Press	NRG75 (S59-5075)	0.0**	41	3/4"	3/4"
600059A	0.0**	43	3/4" Sweat	3/4" Sweat	NRG75 (S59-5075)	0.0**	41	3/4"	3/4"
600064A	0.0**	94	1" NPT	1" NPT	NRG100 (S59-5100)	0.0**	87	1"	1"
600064A 001 (3/4" Body)	0.0**	94	1" NPT	1" NPT	NRG100 (S59-5100)	0.0**	87	1"	1"
600066A	0.0**	94	1" Press	1" Press	NRG100 (S59-5100)	0.0**	87	1"	1"
600066A 001 (3/4" Body)	0.0**	94	1" Press	1" Press	NRG100 (S59-5100)	0.0**	87	1"	1"
600069A	0.0**	94	1" Sweat	1" Sweat	NRG100 (S59-5100)	0.0**	87	1"	1"
600069A 001 (3/4" Body)	0.0**	94	1" Sweat	1" Sweat	NRG100 (S59-5100)	0.0**	87	1"	1"
600074A	0.0**	107	1-1/4" NPT	1-1/4" NPT	NRG125 (S59-5125)	0.0**	106	1-1/4"	1-1/4"
600076A	0.0**	107	1-1/4" Press	1-1/4" Press	NRG125 (S59-5125)	0.0**	106	1-1/4"	1-1/4"
600079A	0.0**	107	1-1/4" Sweat	1-1/4" Sweat	NRG125 (S59-5125)	0.0**	106	1-1/4"	1-1/4"
600084A	0.0**	152	1-1/2" NPT	1-1/2" NPT	NRG150 (S59-5150)	0.0**	189	1-1/2"	1-1/2"
600086A	0.0**	152	1-1/2" Press	1-1/2" Press	NRG150 (S59-5150)	0.0**	189	1-1/2"	1-1/2"
600089A	0.0**	152	1-1/2" Sweat	1-1/2" Sweat	NRG150 (S59-5150)	0.0**	189	1-1/2"	1-1/2"
600094A	0.0**	215	2" NPT	2" NPT	NRG200 (S59-5200)	0.0**	204	2"	2"
600096A	0.0**	215	2" Press	2" Press	NRG200 (S59-5200)	0.0**	204	2"	2"
600099A	0.0**	215	2" Sweat	2" Sweat	NRG200 (S59-5200)	0.0**	204	2"	2"
600060A	0.0**	470	2-1/2" FLG	2-1/2" FLG	NRG300 (S58-5300)	0.0**	408	3"	3"
600080A	0.0**	537	3" FLG	3" FLG	No direct equivalent - Consult with Product Management				

Note: Less Recirculation Pump on Caleffi Valves

Digital Recirculation Systems

Caleffi Model	Min. Flow Capacity (GPM)	Flow Capacity at 20 PSI	Inlet Size	Outlet Size	Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 20 PSI	Inlet Size	Outlet Size
LEGIOMAX 6000AS Series:					Navigator:				
600066AS	0.0**	94	1"	1"	NRS-D10	0.0**	87	1"	1"
600076AS	0.0**	107	1-1/4"	1-1/4"	NRS-D12	0.0**	106	1-1/4"	1-1/4"
600086AS	0.0**	152	1-1/2"	1-1/2"	NRS-D15	0.0**	189	1-1/2"	1-1/2"
600096AS	0.0**	215	2"	2"	NRS-D20	0.0**	204	2"	2"
600080AS	0.0**	470	2-1/2"	2-1/2"	NRS-D30	0.0**	408	3"	3"

Note: Less Recirculation Pump on Caleffi Valves

**Recirculation system only (refer to diagram on page 3). When properly installed near the hot water source with a continuously operating recirculation pump, the valve will maintain a set temperature with a 0 gpm draw from the plumbing system when the recirculation flow rate is greater than or equal to the valve size minimum flow rating.

Thermostatic Valve
Cross Reference

CROSS REFERENCE GUIDE FOR BASE MODELS ONLY - REVIEW ALL OPTIONS, FEATURES, AND PLUMBING SYSTEM REQUIREMENTS FOR CORRECT CROSS

Cash Acme/Bradley Cross Reference Guide

Standard									
Cash Acme Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size	Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size
115	2.5	27	3/4", 1", or 1 1/4"	3/4"	TMV25 (S59-2025)	2	25	3/4"	3/4"
830	4.0	51	3/4"	1"	TMV45 (S59-2045) - H	5.0	47	3/4"	1"
840	8.0	75	1"	1 1/4"	TMV80 (S59-2080) - H	8.0	74	1"	1 1/4"
850	13.0	105	1 1/4"	1 1/2"	TMV130 (S59-2130) - H	13.0	126	1 1/4"	1 1/2"
860	18.5	149	1 1/2"	2"	TMV200 (S59-21200) - H	20.0	192	2"	2"

Thermostatic Valve
Cross Reference

CROSS REFERENCE GUIDE FOR BASE MODELS ONLY - REVIEW ALL OPTIONS, FEATURES, AND PLUMBING SYSTEM REQUIREMENTS FOR CORRECT CROSS

Holby/Bradley Cross Reference Guide

Standard									
Holby Model	Min. Flow Capacity (GPM)	Flow Capacity at 25 PSI	Inlet Size	Outlet Size	Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 25 PSI	Inlet Size	Outlet Size
Holby 1/2"	3.0	15			TMV25 (S59-2025)	2.0	18		
Holby 3/4"	4.0	22			TMV45 (S59-2045)	5.0	28		
Holby 1"	5.0	24			TMV45 (S59-2045)	5.0	28		
Holby 1 1/4"	12.0	62			TMV80 (S59-2080)	8.0	57		
Holby 1 1/2"	19.0	95			TMV130 (S59-2130)	13.0	93		
Holby 2"	40.0	200			HL2X1 (S59-3260)	8.0	184		
Holby 2 1/2"	50.0	250			HL2X2 (S59-3400)	10.0	280		
Holby 3"	85.0	420			Contact Bradley				
Holby 4"	100.0	500			Contact Bradley				

Thermostatic Valve
Cross Reference

CROSS REFERENCE GUIDE FOR BASE MODELS ONLY - REVIEW ALL OPTIONS, FEATURES, AND PLUMBING SYSTEM REQUIREMENTS FOR CORRECT CROSS

Honeywell/Bradley Cross Reference Guide

Standard									
Honeywell Model	Min. Flow Capacity (GPM)	Flow Capacity at 30 PSI	Inlet Size	Outlet Size	Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 30 PSI	Inlet Size	Outlet Size
MX127LF/U	1.0	22	1"	1"	TMV25 (S59-2025) - H	2.0	20	3/4"	3/4"
MX128LF/U	2.5	50	1 1/4"	1 1/4"	HL80 (S59-3080) - H	2.0	63	1"	1 1/4"
MX129LF/U	3.5	75	1 1/2"	1 1/2"	HL130 (S59-3130) - H	4.0	102	1 1/4"	1 1/2"
MX130LF/U	5.0	100	2"	2"	HL130 (S59-3130) - H	4.0	102	1 1/4"	1 1/2"
MX131LF/U	10.5	186	2 1/2"	2 1/2"	HL2X1 (S59-3260) - H	8.0	204	2"	2"
MX132LF/U	15.8	274	3"	3"	HL2X2 (S59-3400) - H	10.0	314	3"	3"

Thermostatic Valve
Cross Reference

CROSS REFERENCE GUIDE FOR BASE MODELS ONLY - REVIEW ALL OPTIONS, FEATURES, AND PLUMBING SYSTEM REQUIREMENTS FOR CORRECT CROSS

Lawler/Bradley Cross Reference Guide

High-Low

Lawler Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size
801	1.0	50	3/4"	1"
802	2.0	80	1"	1 1/4"
803	3.0	125	1 1/4"	1 1/2"
804	4.0	150	1 1/2"	2"
805	5.0	200	2"	2"

Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size
HL45 (S59-3045)	1.5	47	3/4"	1"
HL80 (S59-3080)	2.0	77	1"	1 1/4"
HL130 (S59-3130)	4.0	126	1 1/4"	1"
HL200 (S59-3200)	5.0	192	2"	2"
HL200 (S59-3200)	5.0	192	2"	2"

Standard

Lawler Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size
61-10	0.5	10	1/2"	1/2"
61-15	0.5	15	1/2"	1/2"
61-25	1.0	25	1/2"	1/2"
66-25	3.75	25	3/4"	3/4"
66-50	7.5	50	3/4"	1"
66-80	12.0	80	1"	1 1/4"
66-125	18.75	125	1 1/4"	1 1/4"
66-150	22.5	150	1 1/2"	2"
66-200	30.0	200	2"	2"

Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size
S59-2007	0.5	8	1/2"	1/2"
TMV25 (S59-2025)	2.0	25	3/4"	3/4"
TMV25 (S59-2025)	2.0	25	3/4"	3/4"
TMV25 (S59-2025)	2.0	25	3/4"	3/4"
TMV80 (S59-2080)	8.0	74	1"	1 1/4"
TMV80 (S59-2080)	8.0	74	1"	1 1/4"
TMV130 (S59-2130)	13.0	126	1 1/4"	1 1/2"
TMV200 (S59-2200)	20.0	192	2"	2"
TMV200 (S59-2200)	20.0	192	2"	2"

Emergency Fixtures

Lawler Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size
911	2.0	72	1 1/4"	1 1/4"
911E	2.0	30	1 1/4"	1 1/4"
911E/F	2.0	10	1/2"	1/2"

Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size
EFX50 (S19-2250)	3.0	54	1"	1 1/4"
EFX20 (S19-2150)	3.0	25.5	3/4"	1"
EFX8 (S19-2000)	1.5	9	1/2"	1/2"

Individual Shower Valve

Lawler Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size
3000	0.5	5.5	1/2"	1/2"
3500	0.5	5.5	1/2"	1/2"
3800	0.5	5.5	1/2"	1/2"
3900	0.5	5.5	1/2"	1/2"

Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size
S59-2005	0.5	4	1/2"	1/2"
S59-2005	0.5	4	1/2"	1/2"
S59-2005	0.5	4	1/2"	1/2"
S59-2005	0.5	4	1/2"	1/2"

Sink/Faucet Valve

Lawler Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size
310	0.5	8	1/2"	3/4"
570	0.5	12	1/2"	1/2"
410	0.5	20	3/4"	3/4"

Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size
S59-2007	0.5	8	1/2"	3/4"
S59-4200T1	0.25	12.0	1/2"	1/2"
S59-4016	0.5	15	1/2"	1/2"

Thermostatic Valve Cross Reference

CROSS REFERENCE GUIDE FOR BASE MODELS ONLY - REVIEW ALL OPTIONS, FEATURES, AND PLUMBING SYSTEM REQUIREMENTS FOR CORRECT CROSS

Leonard/Bradley Cross Reference Guide

Electronic Mixing Valves

Leonard Model	Min. Flow Capacity (GPM)	Flow Capacity at 20 PSI	Inlet Size	Outlet Size
Nucleus:				
NV-150-LF	0.25*	100	1-1/4"	1-1/2"
NV-200-LF	0.25*	147	2"	2"
NV-300-LF	0.25*	191	3"	3"

Leonard Model	Min. Flow Capacity (GPM)	Flow Capacity at 20 PSI	Inlet Size	Outlet Size
Nucleus (LESS pump & recirculation line):				
NV150-LF-NIF-R100	0.25*	100	1-1/4"	1-1/2"
NV150-LF-IF-R100 (w/Unistrut Frame)	0.25*	100	1-1/4"	1-1/2"
NV-200-LF-NIF-R125	0.25*	147	2"	2"
NV-200-LF-IF-R125 (w/Unistrut Frame)	0.25*	147	2"	2"
NV-300-LF-NIF-R150	0.25*	191	3"	3"
NV-300-LF-IF-R150 (w/Unistrut Frame)	0.25*	191	3"	3"
NV-150-LF-2PS	0.5*	200	1-1/4"	1-1/4"
NV-200-LF-2PS	0.5*	294	2"	2"

Leonard Model	Min. Flow Capacity (GPM)	Flow Capacity at 20 PSI	Inlet Size	Outlet Size
Proton:				
PNV-100-LF	0.25*	32	3/4"	1"
PNV-125-LF	0.25*	77	1"	1-1/4"
PNV-150-LF	0.25*	100	1-1/4"	1-1/2"
PNV-200-LF	0.25*	147	2" Sweat	2" NPT

Leonard Model	Min. Flow Capacity (GPM)	Flow Capacity at 20 PSI	Inlet Size	Outlet Size
Proton (INCLUDES return line):				
PNV-100-LF-R (3/4" Return Line)	0.25*	32	3/4"	1"
PNV-125-LF-R (1" Return Line)	0.25*	77	1"	1-1/4"
PNV-150-LF-R (1" Return Line)	0.25*	100	1-1/4"	1-1/2"
PNV-200-LF-R (1-1/4" Return Line)	0.25*	147	2"	2"
PNV-150-LF-R1 (1" Return Line) w/Unistrut Frame	0.25*	100	1-1/4"	1-1/2"
PNV-200-LF-R125 (1-1/4" Return Line) w/Unistrut Frame	0.25*	147	2"	2"

Leonard Model	Min. Flow Capacity (GPM)	Flow Capacity at 20 PSI	Inlet Size	Outlet Size
Proton (LESS pump & recirculation line):				
PNV-150-LF-2PS	0.5*	200	2"	3"
PNV-200-LF-2PS	0.5*	294	3"	4"
PNV-200-LF-3PS	0.75*	441	4"	4"

Leonard Model	Min. Flow Capacity (GPM)	Flow Capacity at 20 PSI	Inlet Size	Outlet Size
Proton (LESS pump & check valves):				
PNV-150-LF-LCV	0.25*	100	1-1/2"	1-1/2"
PNV-200-LF-LCV	0.25*	147	2"	2"
PNV-300-LF-LCV	0.25*	191	3"	3"

Electronic Recirculation Systems

Leonard Model	Min. Flow Capacity (GPM)	Flow Capacity at 20 PSI	Inlet Size	Outlet Size
Megatron (LESS pump, recirculation line & Aquastat):				
NV-150-LF-2PS-LC	0.5*	200	2"	3"
NV-200-LF-2PS-LC	0.5*	294	4"	4"
NV-300-LF-2PS-LC	0.5*	382	6"	6"
NV-300-LF-3PS-LC	0.75*	573	6"	6"

Leonard Model	Min. Flow Capacity (GPM)	Flow Capacity at 20 PSI	Inlet Size	Outlet Size
Megatron (WITH pump, recirculation line & Aquastat)				
NV-150-LF	0.25*	100	1-1/4"	1-1/2"
NV-200-LF	0.25*	147	2"	2"
NV-300-LF	0.25*	191	3"	3"

Leonard Model	Min. Flow Capacity (GPM)	Flow Capacity at 20 PSI	Inlet Size	Outlet Size
Proton (WITH pump, recirculation line & Aquastat):				
PNV-100-LF	0.0**	32	3/4"	1"
PNV-125-LF	0.25*	77	1"	1-1/4"

Leonard Model	Min. Flow Capacity (GPM)	Flow Capacity at 20 PSI	Inlet Size	Outlet Size
Proton (LESS pump & Aquastat):				
PNV-100-LF-R34	0.25*	32	3/4"	1"
PNV-125-LF-R1	0.25*	77	1"	1-1/4"

*The valve will maintain temperature with 0.25 GPM flow from the domestic hot water loop when properly installed near the hot water source with a continuously operating recirculation pump
**When properly installed near the hot water source with a continuously operating recirculation pump, the valve will maintain a set temperature with a 0 gpm draw from the plumbing system when the recirculation flow rate is greater than or equal to the valve size minimum flow rating.

Leonard/Bradley Cross Reference Guide

High-Low

Leonard Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size
Next Generation High-Low Systems				
TM-420B-LF-DT*	1.0	42	3/4"	1"
TM-520B-LF-DT*	1.0	72	3/4"	1"
TM-820B-LF-DT*	1.0	84	1"	1-1/4"
TM-920B-LF-DT*	1.0	103	1-1/4"	1-1/4"
TM-1520B-LF-DT*	1.0	158	1-1/4"	1-1/2"
TM-2020B-LF-DT*	1.0	214	2"	2"

*TM-186-XXX versions of these valves include a cabinet

Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 20 PSI	Inlet Size	Outlet Size
Navigator:				
NRG125 (\$59-5125)	0.0**	106	1-1/4"	1-1/4"
NRG150 (\$59-5150)	0.0**	189	1-1/2"	1-1/2"
NRG200 (\$59-5200)	0.0**	204	2"	2"

Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 20 PSI	Inlet Size	Outlet Size
Navigator:				
NRG125 (\$59-5125)	0.0**	106	1-1/4"	1-1/4"
No direct equivalent - Consult with Product Management				
NRG150 (\$59-5150)	0.0**	189	1-1/2"	1-1/2"
No direct equivalent - Consult with Product Management				
NRG200 (\$59-5200)	0.0**	204	2"	2"
No direct equivalent - Consult with Product Management				
NRG200 (\$59-5200)	0.0**	204	2"	2"
No direct equivalent - Consult with Product Management				

Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 20 PSI	Inlet Size	Outlet Size
Navigator:				
NRG75 (\$59-5075)	0.0**	41	3/4"	3/4"
NRG100 (\$59-5100)	0.0**	87	1"	1"
NRG125 (\$59-5125)	0.0**	106	1-1/4"	1-1/4"
NRG150 (\$59-5150)	0.0**	189	1-1/2"	1-1/2"

Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 20 PSI	Inlet Size	Outlet Size
Navigator:				
No direct equivalent - Consult with Product Management				
No direct equivalent - Consult with Product Management				
No direct equivalent - Consult with Product Management				
No direct equivalent - Consult with Product Management				
No direct equivalent - Consult with Product Management				
No direct equivalent - Consult with Product Management				

Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 20 PSI	Inlet Size	Outlet Size
Navigator:				
NRG200 (\$59-5200)	0.0**	204	2"	2"
NRG300 (\$58-5300)	0.0**	408	3"	3"
No direct equivalent - Consult with Product Management				

Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 20 PSI	Inlet Size	Outlet Size
Navigator:				
No direct equivalent - Consult with Product Management				
No direct equivalent - Consult with Product Management				
No direct equivalent - Consult with Product Management				

Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 20 PSI	Inlet Size	Outlet Size
Navigator:				
No direct equivalent - Consult with Product Management				
No direct equivalent - Consult with Product Management				
No direct equivalent - Consult with Product Management				
No direct equivalent				

Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 20 PSI	Inlet Size	Outlet Size
Navigator:				
NRS-D12	0.0**	106	1-1/4"	1-1/4"
NRS-D15	0.0**	189	1-1/2"	1-1/2"
NRS-D20	0.0**	204	2"	2"

Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 20 PSI	Inlet Size	Outlet Size
Navigator:				
NRS-D7	0.0**	41	3/4"	3/4"
NRS-D10	0.0**	87	1"	1"

Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 20 PSI	Inlet Size	Outlet Size
Navigator:				
No direct equivalent - Consult with Product Management				
No direct equivalent - Consult with Product Management				

Leonard Model LF High Capacity	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size
TM-1520B-2PS-LF	2.0	316	2"	2"
TM-2020B-2PS-LF	2.0	428	3"	3"
TM-2020B-3PS-LF	3.0	642	4"	4"
XL-150-2PS-LF	6.0	248	2"	2"
XL-200-SW-2PS-LF	10.0	396	3"	3"

Leonard Model LF Thermostatic HL Master Mixer (Single Valve-Wax)	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size
XL-32A-LF-BDT*	1.0	32	3/4"	3/4"
XL-82-LF-BDT*	1.0	58	1"	1-1/4"
XL-150-LF-BDT*	3.0	124	1-1/4"	1-1/2"
XL-200-SW-LF-BDT*	5.0	198	2"	2"

**XL-186-XX versions of these valves includes a cabinet*

Leonard Model LF Recirculation Piping Assemblies	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size
TM-186-26-LF-DT-RF-R34-ESS	1.0	25	3/4"	3/4"
TM-186-420B-LF-DT-RF-R34	1.0	42	3/4"	1"
TM-186-520B-LF-DT-RF-R34	1.0	72	3/4"	1"
TM-186-820B-LF-DT-RF-R34	1.0	84	1"	1-1/4"
TM-186-920B-LF-DT-RF-R34	1.0	103	1-1/4"	1-1/4"
TM-186-1520B-LF-DT-RF-R34	1.0	158	1-1/4"	1-1/2"
TM-26-LF-DT-RF-R34	1.0	25	3/4"	3/4"
TM-420B-LF-DT-R34	1.0	42	3/4"	1"
TM-520B-DT-LF-RF-R34	1.0	72	3/4"	1"
TM-820B-LF-DT-RF-R34	1.0	84	1"	1-1/4"
TM-920B-LF-DT-RF-R34	1.0	103	1-1/4"	1-1/4"
TM-1520B-LF-DT-RF-R34	1.0	158	1-1/4"	1-1/2"
TM-2020B-LF-DT-RF-R1	1.0	214	2"	2"
XL-186-32A-LF-DT-RF-R34	1.0	32	3/4"	3/4"
XL-186-82-LF-DT-RF-R34	1.0	58	1"	1-1/4"
XL-186-150-LF-DT-RF-R34	3.0	124	1-1/4"	1-1/2"
XL-32A-LF-DT-RF-R34	1.0	32	3/4"	3/4"
XL-82-LF-DT-RF-R34	1.0	58	1"	1-1/4"
XL-150-LF-DT-RF-R34	3.0	124	1-1/4"	1-1/2"
XL-200-SW-LF-DT-RF-R1	5.0	198	2"	2"

Standard

Leonard Model LF Thermostatic Master Mixers (Single Valves)	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size
210-LF-F	0.5	8.5	1/2"	1/2"
TA-LF-F	0.5	8.5	1/2"	1/2"
TM-26-LF*	1.0	25	3/4"	3/4"
LV-10-LF*	1.0	14	1/2"	1/2"
LV-10-LF*	1.0	14	1/2"	1/2"
LV-20-LF*	1.0	24	3/4"	3/4"
LV-981A-LF*	2.5	43	3/4"	3/4"
LV-982-LF*	3.0	63	1"	1-1/4"
LV-983-LF*	5.0	122	1-1/4"	1-1/4"
LV-984-LF*	6.0	141	1-1/4"	1-1/2"
LV-984-LF*	6.0	141	1-1/4"	1-1/2"
LV-985-SW-LF*	10.0	205	2"	2"
LV-322-981A-LF-STSTL-REC	2.5	43	3/4"	3/4"
LV-322-982-LF-STSTL-REC	3.0	63	1"	1-1/4"

**TM-186-XX , LV-186-XXX, LV-203-XX versions of valves include cabinet*

Leonard Model LF Exposed Valve Assemblies (Single Valves)	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size
TA-254-LF	0.5	8.5	1/2"	1/2"
TA-254T-LF	0.5	8.5	1/2"	1/2"
TM-554-TA-LF	0.5	8.5	1/2"	1/2"
TM-554-210-LF	0.5	8.5	1/2"	1/2"
C-210-LF-AF-BR	0.5	8.5	1/2"	1/2"
C-210-LF-AF-TR	0.5	8.5	1/2"	1/2"
TM-554-20-LF	1.0	17	3/4"	3/4"
TM-554-26-LF	1.0	25	3/4"	3/4"
LV-554-10-LF	1.0	24	1/2"	1/2"
LV-554-20-LF	1.0	24	3/4"	3/4"
554-270-LF	0.25	11.5	1/2"	1/2"
554-370-LF	0.5	12.5	3/4"	3/4"
LV-554-981A-LF	2.5	43	3/4"	3/4"
LV-554-982-LF	3.0	63	1"	1-1/4"
LV-554-983-LF	5.0	122	1-1/4"	1-1/4"
LV-554-984-LF	6.0	141	1-1/4"	1-1/2"

Leonard/Bradley Cross Reference Guide

Recirculation Systems

Leonard Model LF Megatron	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size
TA-LF-F	0.5	8.7	1/2"	1/2"
TM26-LF	1.0	25	3/4"	3/4"
1NB-LF	1.0	42	3/4"	1"
2NB-LF	1.0	72	3/4"	1"
3NB-LF	1.0	84	1"	1-1/4"
4NB-LF	1.0	103	1-1/4"	1-1/4"
4NB-LF	1.0	103	1-1/4"	1-1/4"
5NB-LF	1.0	158	1-1/4"	1-1/2"
6NB-LF	1.0	214	2"	2"
7NB-LF	2.0	316	2"	2"
8NB-LF	2.0	428	3"	3"
10NB-LF	3.0	642	4"	4"
270-LF	0.5	11.5	1/2"	1/2"
370-LF	0.5	12.5	3/4"	3/4"
XL32-LF	1.0	32	3/4"	3/4"

Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size
HL2X1 (S59-3260)	8.0	252	2"	2"
HL2X2 (S59-3400)	10.0	384	3"	3"
No standard model available - contact RFQ for further assistance				
HL2X1 (S59-3260)	8.0	252	2"	2"
HL2X2 (S59-3400)	10.0	384	3"	3"

Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size
HL45-N (S59-3045)	1.5	47	3/4"	1"
HL80-N (S59-3080)	2.0	77	1"	1-1/4"
HL130-N (S59-3130)	4.0	126	1-1/4"	1-1/2"
HL200-N (S59-3200)	5.0	192	2"	2"

Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size
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Modified HL45 - contact RFQ for further assistance
Modified HL80 - contact RFQ for further assistance
Modified HL80 - contact RFQ for further assistance
Modified HL130 - contact RFQ for further assistance
Modified HL130 - contact RFQ for further assistance
Modified TMV25 - contact RFQ for further assistance
Modified HL45 - contact RFQ for further assistance
Modified HL80 - contact RFQ for further assistance
Modified HL80 - contact RFQ for further assistance
Modified HL130 - contact RFQ for further assistance
Modified HL130 - contact RFQ for further assistance
Modified HL130 - contact RFQ for further assistance
Modified HL200 - contact RFQ for further assistance
Modified HL45 - contact RFQ for further assistance
Modified HL80 - contact RFQ for further assistance
Modified HL80 - contact RFQ for further assistance
Modified HL130 - contact RFQ for further assistance
Modified HL130 - contact RFQ for further assistance
Modified HL45 - contact RFQ for further assistance
Modified HL80 - contact RFQ for further assistance
Modified HL130 - contact RFQ for further assistance
Modified HL200 - contact RFQ for further assistance

Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size
S59-2007	0.5	8	1/2" NPT	1/2" NPT
S59-2007	0.5	8	1/2" NPT	1/2" NPT
TMV25 (S59-2025)	2.0	25	3/4"	3/4"
S59-4016D	0.5	15	1/2" NPT	1/2" NPT
S59-2007	0.5	8	1/2" NPT	1/2" NPT
TMV25 (S59-2025)	2	25	3/4" NPT	3/4" NPT
TMV45 (S59-2045)	5	37	3/4" NPT	1" NPT
TMV80 (S59-2080)	8.0	74	1" NPT	1-1/4"
TMV130 (S59-2130)	13.0	126	1-1/4" NPT	1-1/2" NPT
TMV130 (S59-2130)	13.0	126	1-1/4" NPT	1-1/2" NPT
TMV200 (S59-2200)	20.0	192	2" NPT	2" NPT
TMV200 (S59-2200)	20.0	192	2" NPT	2" NPT
Modified TMV25 - contact RFQ for further assistance				
Modified TMV80 - contact RFQ for further assistance				

Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size
Modified S59-2007 - contact RFQ for further assistance				
Modified S59-2007 - contact RFQ for further assistance				
Modified S59-2007 - contact RFQ for further assistance				
Modified S59-2007 - contact RFQ for further assistance				
Modified S59-2007 - contact RFQ for further assistance				
Modified S59-2007 - contact RFQ for further assistance				
TMV25-T-N (S59-2025)	0.5	25	3/4" NPT	3/4" NPT
TMV25-T-N (S59-2025)	2.0	25	3/4" NPT	3/4" NPT
TMV25-T-N (S59-2025)	2.0	25	3/4" NPT	3/4" NPT
TMV25-T-N (S59-2025)	2.0	25	3/4" NPT	3/4" NPT
Modified S59-4016X - contact RFQ for further assistance				
Modified S59-4016Y - contact RFQ for further assistance				
TMV45-T-N (S59-2045)	5.0	37	3/4" NPT	1" NPT
TMV80-T-N (S59-2080)	8.0	74	1" NPT	1-1/4"
TMV130-T-N (S59-2130)	13.0	126	1-1/4" NPT	1-1/2" NPT
TMV130-T-N (S59-2130)	13.0	126	1-1/4" NPT	1-1/2" NPT

XL82-LF	1.0	58	1"	1-1/4"	NRS-8	2.0	77	1"	1-1/4"
XL150-LF	3.0	124	1-1/4"	1-1/2"	NRS-13	4.0	126	1-1/4"	1-1/2"
XL-150-2P-LF	6.0	248	2"	2"	No standard model available - contact RFQ for further assistance				
XL-200-SW-LF	5.0	198	2"	2"	NRS-20	5.0	192	2"	2"
XL-200-SW-2P-LF	10.0	396	3"	3"	No standard model available - contact RFQ for further assistance				

**Must confirm all other options including recirculation pump, return line, and aquastat*

Emergency Fixtures

Leonard Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size	Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size
TA-300 -LF	2.0	9	1/2"	1/2"	EFX8 (S19-2000)	1.5	9	1/2" NPT	1/2" NPT
TA-350- LF	2.0	9	1/2"	1/2"	EFX8 (S19-2000)	1.5	9	1/2" NPT	1/2" NPT
ELX-300-LF	1.0	12	1/2"	1/2"	EFX8 (S19-2000)	1.5	9	1/2" NPT	1/2" NPT
6020-LF	2.0	9	1/2"	1/2"	EFX8 (S19-2000)	1.5	9	1/2" NPT	1/2" NPT
TM-600-LF	3.0	51	3/4"	1"	EFX50 (S19-2250)	3.0	54	1" NPT	1-1/4" NPT
6040-LF	3.0	56	1"	1-1/4"	EFX50 (S19-2250)	3.0	54	1" NPT	1-1/4" NPT
TM-800-LF	3.0	56	1"	1-1/4"	EFX50 (S19-2250)	3.0	54	1" NPT	1-1/4" NPT
ELX-800-LF	3.0	51	1"	1-1/4"	EFX50 (S19-2250)	3.0	54	1" NPT	1-1/4" NPT
TM-850-LF	3.0	56	1-1/4"	1-1/4"	EFX50 (S19-2250)	3.0	54	1" NPT	1-1/4" NPT
TM-5125-LF	3.0	126	1-1/4"	1-1/2"	EFX120 (S19-2350)	3.0	92	1-1/4" NPT	1-1/2" NPT
TM-5100-LF	3.0	126	1-1/4"	1-1/2"	EFX120 (S19-2350)	3.0	92	1-1/4" NPT	1-1/2" NPT

Individual Shower Valve

Leonard Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size	Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size
7600	1.5	4	1/2" Sweat	1/2" Sweat	S59-2005 (1C-TMV)	0.5	4	1/2" NPT	1/2" NPT
7600-E	1.5	4	1/2" IPS	1/2" IPS	S59-2005 (1C-TMV)	0.5	4	1/2" NPT	1/2" NPT

LF Gang Showers

Leonard Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size Inlet Size	Outlet Size	Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size
269-LF	1.0	10.8	1/2" MIPS	1/2" MIPS	S59-4016X	0.5	11	1/2" PEX	1/2" PEX
369-LF	1.0	11.3	3/4" MIPS	3/4" MIPS	S59-4016Y	0.5	11	3/4" PEX	3/4" PEX
XL-690-LF-DT	1.0	59	1"	1-1/4"	HL45 meets flow requirements but is not ASSE 1069 certified				

Point of Use Valve

Leonard Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size	Bradley New	Bradley Mode	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size
170-LF	0.25	4.7	3/8" Compress	3/8" Compression	S59-4100A	S59-4000A	0.25	5.5	3/8" Compression	3/8" Compression
170A-LF	0.25	4	3/8"	3/8"	S59-4100A	S59-4000A	0.25	5.5	3/8" Compression	3/8" Compression
170D-LF	0.25	4	3/8"	3/8"	S59-4100BY	S59-4000BY	0.25	5.5	3/8" Compression	3/8" Compression
270-LF	0.25	11.5	1/2" MIPS	1/2" MIPS	S59-4200T1	S59-4016	0.5	11	1/2" or 3/4" PEX	1/2" or 3/4" PEX
370-LF	0.50	12.5	3/4" MIPS	3/4" MIPS	S59-4200T3	S59-4016	0.5	11	1/2" or 3/4" PEX	1/2" or 3/4" PEX
XL-670-LF-DT	2.50	59	1"	1-1/4"		No direct equa	1.5	47	3/4" NPT	1" NPT

Options

Cabinet Type	Leonard	Bradley
Stainless Steel Exposed Cabinet	STSTL-EXP	SS
Stainless Steel Recessed Cabinet	STSTL-REC	RS
Baked White Exposed Cabinet	BWE-EXP	SE
Baked White Recessed Cabinet	BWE-REC	RE
Viewport in Cabinet Door	VIEW	W

Options Cross Reference	Leonard	Bradley
Chrome Plated	CP	C
Inlet Thermometers	IT	Special option
Test Connection	TC	Special option - only included on NRS
Ball valve with dial thermometer	BDT	N and T options
Less wall support	LWS	Special option
Rough bronze valve/piping	RF	HL, STD, and EFX valves are standard brass
Dial Thermometer	DT	T

Thermostatic Valve
Cross Reference

CROSS REFERENCE GUIDE FOR BASE MODELS ONLY - REVIEW ALL OPTIONS, FEATURES, AND PLUMBING SYSTEM REQUIREMENTS FOR CORRECT CROSS

Powers/Bradley Cross Reference Guide

High-Low									
Powers Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size	Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size
LFSH1432	1.0	57	3/4"	1"	HL45 (S59-3045)	1.5	47	3/4"	1"
LFMM431HL	0.5	65	3/4"	3/4"	HL80 (S59-3080)	2.0	77	1"	1-1/4"
LFMM432HL	0.5	87	3/4"	1"	HL80 (S59-3080)	2.0	77	1"	1-1/4"
LFSH1434	1.0	127	1-1/4"	1-1/2"	HL130 (S59-3130)	4.0	126	1-1/4"	1-1/2"
LFMM433HL	0.5	133	1-1/4"	1-1/4"	HL130 (S59-3130)	4.0	126	1-1/4"	1-1/2"
LFSH1435	5.0	201	2"	2"	HL200 (S59-3200)	5.0	192	2"	2"
LFMM434HL	0.5	167	1-1/4"	1-1/2"	HL200 (S59-3200)	5.0	192	2"	2"
LFMM435HL	3.0	186	1-1/4"	1-1/2"	HL200 (S59-3200)	5.0	192	2"	2"
LFSH1432HL	1.0	201	1-1/2"	2"	HL200 (S59-3200)	5.0	192	2"	2"
LFSH1432DV	2.0	184	1-1/2"	2"	HL200 (S59-3200)	5.0	192	2"	2"

High Capacity									
Powers Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size	Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size
LFSH1434DV	2.0	251	2"	2-1/2"	HL2X1 (S59-3260)	8.0	252	2"	2"
LFSH1434HL	1.0	271	2"	2-1/2"	HL2X2 (S59-3400)	10.0	384	3"	3"
LFSH1434TV	1.0	416	2-1/2"	3"	HL2X2 (S59-3400)	10.0	384	3"	3"
LFSH1434QV	1.0	559	2-1/2"	3"	No direct equivalent - Consult with Product Management				
LFSH1434-6V	1.0	847	2-1/2"	4"	N/A	-	-	-	-

Standard									
Powers Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size	Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size
LFMM431	3.0	42	3/4"	3/4"	TMV45 (S59-2045)	5.0	37	3/4"	1"
LFMM432	4.0	64	3/4"	1"	TMV80 (S59-2080)	8.0	74	1"	1-1/4"
LFMM433	5.0	110	1-1/4"	1-1/4"	TMV130 (S59-2130)	13.0	126	1-1/4"	1-1/2"
LFMM434	7.0	144	1-1/4"	1-1/2"	TMV200 (S59-2200)	20.0	192	2"	2"
LFMM435	10.0	208	2"	2"	TMV200 (S59-2200)	20.0	192	2"	2"

Emergency Fixtures									
Powers Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size	Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size
ES150	1.0	10.7	1/2" NPT	1/2" NPT	EFX8 (S19-2000)	1.5	9	1/2" NPT	1/2" NPT
ETV200	3.0	40.2	3/4" NPT	1" NPT	EFX20 (S19-2150)	3.0	25.5	3/4" NPT	1" NPT
ETV400	3.0	102	1-1/4" NPT	1-1/2" NPT	EFX50 (S19-2250)	3.0	54	1" NPT	1-1/4" NPT
ETV500	3.0	146.2	2" NPT	2" NPT	EFX120 (S19-2350)	3.0	92	1-1/4" NPT	1-1/2" NPT
					No direct equivalent - Consult with Product Management				

Individual Shower Valve									
Powers Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size	Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size
e705	1.0	4	1/2" Sweat	1/2" Sweat	S59-2005 (1C-TMV)	0.5	4	1/2" NPT	1/2" NPT
e707	1.0	4	1/2" Sweat	1/2" Sweat	S59-2005 (1C-TMV)	0.5	4	1/2" NPT	1/2" NPT
e710	1.0	4	1/2" Sweat	1/2" Sweat	S59-2005 (1C-TMV)	0.5	4	1/2" NPT	1/2" NPT
e420	1.0	5	1/2" NPT or S	1/2" NPT or Sweat	S59-2005 (1C-TMV)	0.5	4	1/2" NPT	1/2" NPT
e423	1.0	5	1/2" NPT	1/2" NPT	S59-2005 (1C-TMV)	0.5	4	1/2" NPT	1/2" NPT
F727	1.0	4	1/2" Sweat	1/2" Sweat	S59-2005T1 (TMV71)	0.5	4	1/2" NPT	1/2" NPT
e427	2.5	14	1/2" NPT	1/2" NPT	N/A				
e428	2.5	14	1/2" NPT	1/2" NPT	N/A				

Sink/Faucet Valve										
Powers Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size	Bradley New Model Number	Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size
LFLM490	0.5	23	1/2"	1/2"		S59-2025	2.0	25	3/4" NPT	3/4" NPT
LFLM491	0.5	23	3/4"	3/4"		S59-2025	2.0	25	3/4" NPT	3/4" NPT
LFLM492	0.5	23	1"	3/4"		S59-2025	2.0	25	3/4" NPT	3/4" NPT
LFLM495	0.5	12	1/2"	1/2"	S59-4200T1	S59-4016D	0.5	15	1/2" NPT	1/2" NPT
LFLM496	0.5	12	3/4"	3/4"	S59-4200T3	S59-4016N	0.5	15	3/4" NPT	3/4" NPT
LFLM497	0.5	12	1"	1"		S59-4016N	0.5	15	3/4" NPT	3/4" NPT
LFe480	0.5	4.2	1/2" or 3/8"	1/2" or 3/8"	S59-4100A	S59-4000(A)	0.20	5.5	1/2" or 3/8"	1/2" or 3/8"
LFG480	0.25	3	1/2" or 3/8"	1/2" or 3/8"	S59-4100A	S59-4000(A)	0.20	5.5	1/2" or 3/8"	1/2" or 3/8"
LFUSG-B	0.25	3	3/8"	3/8"	S59-4100BY	S59-4000BY	0.20	5.5	3/8"	3/8"
LFMMV-UT-M1	0.5	12	1/2"	1/2"	S59-4200S1	S59-4016D	0.5	15	1/2" NPT	1/2" NPT
LFMMV-UT-M1	0.5	12	3/4"	3/4"	S59-4200T3	S59-4016N	0.5	15	3/4" NPT	3/4" NPT
LFMMV-US-M1	0.5	12	3/4"	3/4"	S59-4200S3	S59-4016S	0.5	15	3/4" Sweat	3/4" Sweat
LFMMV-PEX-M1	0.5	12	1/2" Pex	1/2" Pex	S59-4200X1	S59-4016X	0.5	15	1/2" Pex	1/2" Pex
LFMMV-PEX-M1	0.5	12	3/4" Pex	3/4" Pex	S59-4200X3	S59-4016Y	0.5	15	3/4" Pex	3/4" Pex
LFMMV-PEX-M1	0.5	12	1/2" Expansion	1/2" Expansion	S59-4200E1	S59-4016EX	0.5	15	1/2" Expansion	1/2" Expansion
LFMMV-PEX-M1	0.5	12	3/4" Expansion	3/4" Expansion	S59-4200E3	S59-4016EY	0.5	15	3/4" Expansion	3/4" Expansion
LFMMV-CPVC-M1						N/A				
LFMMV-QC-M1						N/A				

Electronic Mixing Valves									
Powers Model	Min. Flow Capacity (GPM)	Flow Capacity at 20 PSI	Inlet Size	Outlet Size	Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 20 PSI	Inlet Size	Outlet Size
IntelliStation Jr:									
LFIS075VL	0.5"	33	3/4"	3/4"	NRG75 (S59-5075)	0.0**	41	3/4"	3/4"
LFIS100VL	0.5"	78	1"	1-1/4"	NRG100 (S59-5100)	0.0**	87	1"	1"
LFIS150VL	0.5"	101	1-1/2"	1-1/2"	NRG125 (S59-5125)	0.0**	106	1-1/4"	1-1/4"
LFIS200VL	0.5"	177	2"	2"	NRG150 (S59-5150)	0.0**	189	1-1/2"	1-1/2"
Powers Model	Min. Flow Capacity (GPM)	Flow Capacity at 20 PSI	Inlet Size	Outlet Size	Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 20 PSI	Inlet Size	Outlet Size
IntelliStation Jr (INCLUDES Return Line):									
LFIS075VL-SYS075RTN (3/4" Return Line)	0.5"	33	1"	1"	No direct equivalent - Consult with Product Management				
LFIS100VL-SYS100RTN (1-1/4" Return Line)	0.5"	78	1-1/4"	1-1/2"	No direct equivalent - Consult with Product Management				
LFIS150VL-SYS150RTN (2" Return Line)	0.5"	101	2"	2"	No direct equivalent - Consult with Product Management				
LFIS200VL-SYS200RTN (2-1/2" Return Line)	0.5"	177	2-1/2"	2-1/2"	No direct equivalent - Consult with Product Management				

Electronic Recirculation Systems									
Powers Model	Min. Flow Capacity (GPM)	Flow Capacity at 20 PSI	Inlet Size	Outlet Size	Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 20 PSI	Inlet Size	Outlet Size
IntelliStation									
LFIS150	0.5"	120	2"	2-1/2"	NRS-D15	0.0**	189	1-1/2"	1-1/2"
LFIS200	0.5"	191	2-1/2"	3"	NRS-D20	0.0**	204	2"	2"
LFIS150DV	0.5"	240	4"	4"	NRS-D30	0.0**	408	3"	3"
LFIS200DV	0.5"	382	6"	6"	NRS-D30	0.0**	408	3"	3"
LFIS200TV	0.5"	573	6"	6"	No direct equivalent				

*Minimum flow when IntelliStation is installed at or near hot water source recirculating tempered water with a properly sized continuously operating recirculating pump.
**When properly installed near the hot water source with a continuously operating recirculation pump, the valve will maintain a set temperature with a 0 gpm draw from the plumbing system when the recirculation flow rate is greater than or equal to the valve size minimum flow rating.

Cabinet Cross Reference		
Cabinet Type	Powers	Bradley
Stainless Steel Surface Mount	Q	SS
Stainless Steel Recessed Mount	N	RS
Baked White Enamel Surface Mount	U	SE
Baked White Enamel Recessed Mount	R	RE

Thermostatic Valve
Cross Reference

CROSS REFERENCE GUIDE FOR BASE MODELS ONLY - REVIEW ALL OPTIONS, FEATURES, AND PLUMBING SYSTEM REQUIREMENTS FOR CORRECT CROSS

Rada/Bradley Cross Reference Guide

Emergency Fixtures

Rada Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size	Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size
Z358-20	1.0	23	1" NPT	3/4" NPT	EFX20 (S19-2150)	3.0	25.5	3/4" NPT	1" NPT
Z358-40	2.0	46	1-1/4" NPT	1-1/4" NPT	EFX50 (S19-2250)	3.0	54	1" NPT	1-1/4" NPT

Standard and High-Low Valves

Rada Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size	Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size
320	1.0	23	1" NPT	1" NPT	TMV25 (S59-2025)	2.0	25	3/4" NPT	3/4" NPT
425	1.0	46	1-1/4" NPT	1-1/4" NPT	HL45 (S59-3045)	1.5	47	3/4" NPT	1" NPT

Point Of Use Valves

Rada Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size	Bradley New Model Number	Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size
215	0.5	11	1/2" NPT	1/2" NPT	S59-4200T1	S59-4016D	0.5	15	1/2" NPT/swee	1/2" NPT/sweat

Digital Mixing Valves

Armstrong Model	Min. Flow Capacity (GPM)	Flow Capacity at 20 PSI	Inlet Size	Outlet Size	Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 20 PSI	Inlet Size	Outlet Size
DRV25	0	45	1"	1"	NRG75 (S59-5075)	0.0**	41	3/4"	3/4"
DRV40(R)	0	98	1 1/2"	1 1/2"	NRG125 (S59-5125)	0.0**	106	1-1/4"	1-1/4"
DRV50(R)	0	185	2"	2"	NRG150 (S59-5150)	0.0**	189	1-1/2"	1-1/2"
DRV80(R)	0	188	3"	3"	NRG150 (S59-5150)	0.0**	189	1-1/2"	1-1/2"
DMC40-40	0	196	2 1/2"	3"	NRG200 (S59-5200)	0.0**	204	2"	2"
DMC80-80	0	376	4"	4"	NRG300 (S58-5300)	0.0**	408	3"	3"
DMC80-80-80	0	564	5"	5"	No direct equivalent - Consult with Product Management				

**When properly installed near the hot water source with a continuously operating recirculation pump, the valve will maintain a set temperature with a 0 gpm draw from the plumbing system when the recirculation flow rate is greater than or equal to the valve size minimum flow rating.

Thermostatic Valve
Cross Reference

CROSS REFERENCE GUIDE FOR BASE MODELS ONLY - REVIEW ALL OPTIONS, FEATURES, AND PLUMBING SYSTEM REQUIREMENTS FOR CORRECT CROSS

Speakman/Bradley Cross Reference Guide

Emergency Fixtures									
Speakman Model	Min. Flow Capacity (GPM)	Flow Capacity at 30 PSI	Inlet Size	Outlet Size	Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size
STW-370 / SEF-TW	1.5	9.7	1/2"	1/2"	EFX8 (S19-2000)	2.0	7	1/2"	1/2"
STW-362	3.0	38	3/4"	1"	EFX20 (S19-2150)	2.0	30.3	3/4"	1"
STW-350	3.0	62.5	1"	1 1/4"	EFX50 (S19-2250)	2.0	61.6	1"	1 1/4"

Thermostatic Valve
Cross Reference

CROSS REFERENCE GUIDE FOR BASE MODELS ONLY - REVIEW ALL OPTIONS, FEATURES, AND PLUMBING SYSTEM REQUIREMENTS FOR CORRECT CROSS

Symmons/Bradley Cross Reference Guide

Standard									
Symmons Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size	Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size
7-102	0.5	11	1/2"	1/2"	S59-2007	0.5	8	1/2"	1/2"
7-200	5.0	27	3/4"	3/4"	TMV25 (S59-2025)	2.0	25	3/4"	3/4"
7-400	9.0	53	3/4"	1"	TMV80 (S59-2080)	8.0	74	1"	1 1/4"
7-500	13.0	70	1"	1 1/4"	TMV80 (S59-2080)	8.0	74	1"	1 1/4"
7-700	13.0	77	1 1/4"	1 1/2"	TMV80 (S59-2080)	8.0	74	1"	1 1/4"
7-900	13.0	104	1 1/2"	1 1/2"	TMV130 (S59-2130)	13.0	126	1 1/4"	1 1/2"
7-1000	13.0	140	1 1/2"	2"	TMV130 (S59-2130)	13.0	126	1 1/4"	1 1/2"

H/L Recirculation Systems									
Symmons Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size	Bradley Model	Min. Flow Capacity (GPM)	Flow Capacity at 45 PSI	Inlet Size	Outlet Size
7-200-102-PRV	0.5	38	3/4"	3/4"	HL45 (S59-3045)	1.5	47	3/4"	1"
7-400-102-PRV	0.5	64	3/4"	1"	HL80 (S59-3080)	2.0	77	1"	1 1/4"
7-500-102-PRV	0.5	81	1"	1 1/4"	HL80 (S59-3080)	2.0	77	1"	1 1/4"
7-700-102-PRV	0.5	88	1 1/4"	1 1/2"	HL80 (S59-3080)	2.0	77	1"	1 1/4"
7-900-102-PRV	0.5	115	1 1/2"	1 1/2"	HL130 (S59-3130)	4.0	126	1 1/4"	1"
7-1000-102-PRV	0.5	151	1 1/2"	2"	HL200 (S59-3200)	5.0	192	2"	2"
7-900-200-PRV	5.0	131	1 1/2"	1 1/2"	HL130 (S59-3130)	4.0	126	1 1/4"	1"
7-1000-200-PRV	5.0	167	1 1/2"	2"	HL200 (S59-3200)	5.0	192	2"	2"

Options		
Cabinet Type	Symmons	Bradley
Stainless Steel	T	SS or RS
White Enamel Finish	B	SE or RE
Piping Assembly	A	N/A
Semi-Recessed Cabinet	S	RS or RE
Surface Mounted Cabinet	M	SS or SE