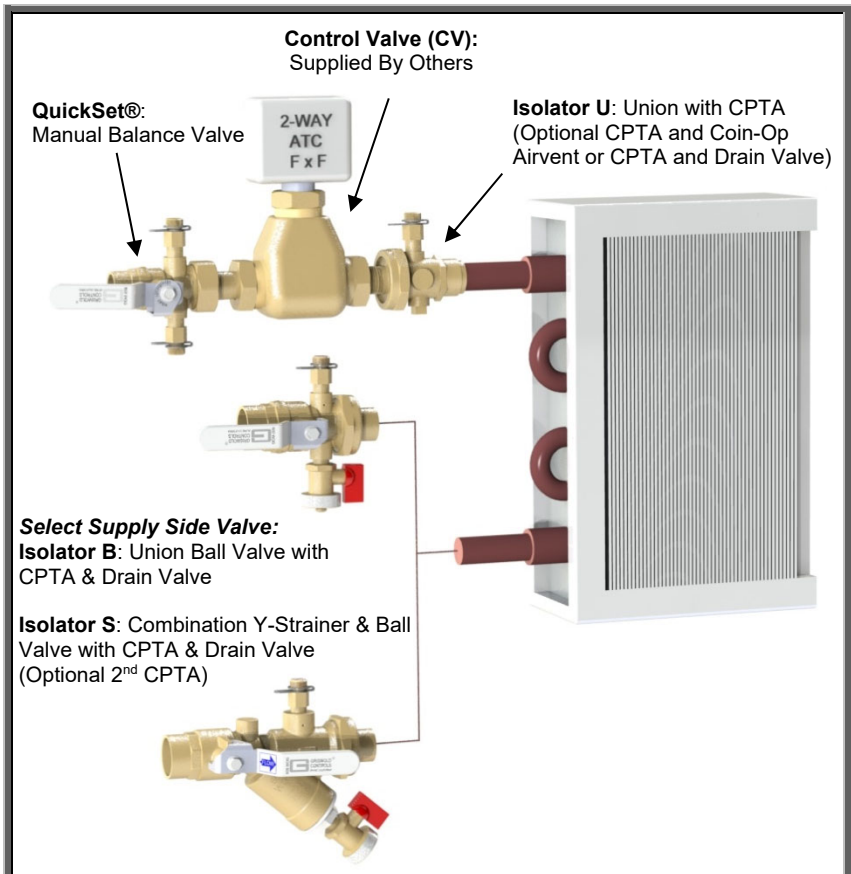

LINE TYPE:
❑ FNPT
❑ SWT
❑ QuickPress[1]

COIL TYPE:
❑ FNPT
❑ SWT ❑ MNPT
❑ QuickPress[1]

LINE SIZE:	COIL SIZE:	CV SIZE:
❑ 1/2"	❑ 1/2"	❑ 1/2"
❑ 3/4"	❑ 3/4"	❑ 3/4"
❑ 1"	❑ 1"	❑ 1"
❑ 1-1/4"	❑ 1-1/4"	❑ 1-1/4"
❑ 1-1/2"	❑ 1-1/2"	❑ 1-1/2"
❑ 2"	❑ 2"	❑ 2"

BALL & STEM:
❑ Nickel-plated brass ball & brass stem
❑ Stainless Steel ball & stem

COMPONENT OPTIONS:
❑ 1-1/2" Ext Kit ❑ 2" Ext Kit
❑ Strainer 20 Mesh ❑ Strainer 50 Mesh
❑ Union Coin-Op&CPTA ❑ Union CPTA&DV
❑ Isolator S 2nd CPTA ❑ Isolator B in lieu IS

HOSE OPTIONS (FNPT COIL):
Swivel Type: ❑ MNPT ❑ SWT
Length: ❑ 12" ❑ 18" ❑ 24" ❑ 36"

CONTROL VALVE (CV):
❑ Customer Supplied and Installed CV
❑ Customer Supplied CV - Installed By Griswold Controls

SPECIFICATIONS

QuickSet®: Forged brass manual balance valve with brass venturi insert and graduated memory stop. Valve housing includes field repairable dual Teflon and EPDM o-ring seal stem. Valve includes one fixed end (FNPT or SWT) connection and one union (MNPT) connection. Union end includes union nut and EPDM o-ring. Valve body has two ports with (1) combination Pressure/Temperature Test Valves and manual air vent (**CPTA**), and (1) Pressure/Temperature Test Valve. PSI/Temp Rating: 600WOG-400PSI/250°F

Isolator S: Ball valve and integrated strainer. Valve housing is forged brass with field repairable dual Teflon and EPDM o-ring seal stem. Strainer is Stainless Steel and can be removed from housing without disturbing pipe connections for inspection or replacement. Valve includes one fixed connection and one union connection. Union end includes union nut and EPDM o-ring. Body has one port with combination Pressure/Temperature Test Valves (**CPTA**). Assembly includes drain valve with 3/4" hose connection with cap. PSI/Temp Rating: 600WOG-400PSI/250°F

Isolator B: Forged brass union ball valve. Valve housing includes field repairable dual Teflon and EPDM o-ring seal stem. Valve includes one fixed end (FNPT or SWT) connection and one union (FNPT or SWT) connection. Union end includes union nut and EPDM o-ring. Valve body has two ports with one combination Pressure/Temperature Test Valve and Manual Air Vent (**CPTA**), and one Drain Valve. PSI/Temp Rating: 600WOG-400PSI/250°F.

Union: Forged brass (ASTM B283) union. Union includes one fixed end (FNPT or SWT) connection and one union (MNPT) connection. Union end includes union nut and EPDM o-ring. Union body has one port with combination Pressure/Temperature Test Valves and manual air vent (**CPTA**). PSI/Temperature Rating: 400 PSI / 250°F.

Drain Valve: Brass housing, Nickel plated ball. 1/2"-1":1/2"UNFx3/4"NPSH. 1-1/4"-2":3/4"UNFx3/4" NPSH. Rated 300PSI/250°F

Combination Pressure/Test Valve & Manual Air Vent (CPTA): Brass Housing, EPDM Seal. Rated 1000PSI/350°F Pressure/Temperature Test Valve works in conjunction with valve body feature to function as Manual Air Vent. Requires both components to operate as manual air vent.

NOTES

[1] QuickPress connections are compatible with popular press tools and are rated for maximum 200 PSI.

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GRISWOLD CONTROLS
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MODEL NUMBER SELECTION

Size	Model Number-FNPT Line	Model Number-SWT Line	Model Number-PRESS Line	Select Coil Size & Type[2] for Model Number	Select CV Size for Model Number
1/2"	CP2Q0_E___0	CP2Q0_L___0	CP2Q0_2___0	FNPT:(E=1/2,F=3/4) MNPT:(H=1/2, I=3/4) SWT: (K=3/8",L=1/2,M=3/4) PRESS:(2=1/2,3=3/4)	MNPT:(H=1/2)
3/4"	CP2Q0_F___0	CP2Q0_M___0	CP2Q0_3___0		MNPT:(1/2=H,I=3/4)
3/4"L	CP2Q1_F___0	CP2Q1_M___0	CP2Q1_3___0	FNPT:(E=1/2,F=3/4,G=1) MNPT:(H=1/2,I=3/4,J=1) SWT:(L=1/2,M=3/4,N=1) PRESS:(2=1/2,3=3/4,1=1)	MNPT:(1/2=H,I=3/4)
1"	CP2Q1_G___0	CP2Q1_N___0	CP2Q1_1___0		MNPT:(1/2=H,I=3/4,J=1)
1-1/4"	CP2Q2_P___0	CP2Q2_K___0	CP2Q2_4___0	FNPT:(G=1,P=1-1/4,Q=1-1/2) MNPT:(J=1, S=1-1/4,T=1-1/2) SWT:(N=1,K=1-1/4,W=1-1/2) PRESS:(1=1, 4=1-1/4, 5=1-1/2)	MNPT:(1/2=H,I=3/4,J=1,S=1-1/4)
1-1/2"	CP2Q2_Q___0	CP2Q2_W___0	CP2Q2_5___0		MNPT:(J=1,S=1-1/4,T=1-1/2)
2"	CP2Q3_R___0	CP2Q3_Y___0	CP2Q3_6___0	FNPT:(P=1-1/4,Q=1-1/2,R=2) MNPT:(S=1-1/4, T=1-1/2,U=2) SWT:(K=1-1/4,W=1-1/2,Y=2) PRESS:(4=1-1/4, 5=1-1/2, 6=2)	MNPT:(T=1-1/2,U=2)

Some Control Valve sizes have QuickSet Cv limitations. 1/2" Control Valve may not be compatible with Cv of 12.2, 21.8, 22.1, 54.7; 3/4" Control Valve may not be compatible with Cv of 21.8, 22.1, 54.7; 1" Control Valve may not be compatible with Cv of 54.7 or 105.2; 1-1/4" Control Valve may not be compatible with Cv of 105.2.

NOTES:

1. Standard CPPs include nickel-plated brass ball and brass stem. For optional Stainless Steel ball and stem change "CP" to "CS" in model number.
2. Insert Venturi Cv letter Code in 6th digit from flow table.
3. Insert Coil Size & Type in 8th digit.
4. Insert Control Valve (CV) Size in 9th digit.
5. Insert Supply Side Product Code: **Isolator S** ("B"=(1) CPTA/DV, 20 mesh screen, "D"=(2) CPTAs & (1) DV, 20 mesh screen, "G"=(1) CPTA/DV, 50 mesh screen, "J"=(2) CPTAs & (1) DV, 50 mesh screen) or **Isolator B** ("V"=(1) CPTA/DV)
6. Optional Extension Kit- includes cap and tube for insulation around handle and appropriate number of extensions for PT/CPTA included in package. Change "0" to "1" for 1-1/2" extension option or "2" for 2" extension option.[3]
7. If Control Valve (CV) is installed at the factory by Griswold Controls add an "A" to end of model number.

FLOW RATES (+/-1%[4])

OUTLET SIZE	QUICKSET MODEL NO.	FLOW GPM[(5)] AT 4 FT/SEC	Cv[(6)]	GPM RANGE FOR 5"–100" W.C. ΔP (SET W/100" GAUGE)	GPM RANGE FOR 5"–300" W.C. ΔP (SET W/300" GAUGE)
1/2", 3/4"	QS0	3.8	A=0.39	0.15 – 0.67	0.15 – 1.16
			B=1.1	0.3 – 1.4	0.3 – 2.4
			C=2.5	0.6 – 2.8	0.6 – 4.6
			D=4.2	1.2 – 5.4	1.2 – 9.4
3/4"L	QS1	6.7	B=0.9	0.3 – 1.4	0.3 – 2.5
			C=1.9	0.6 – 2.8	0.6 – 4.9
			D=3.9	1.3 – 5.6	1.3 – 9.7
			E=7.0	2.6 – 11.5	2.6 –19.9
1"	QS1	10.8	C=1.8	0.6 – 2.8	0.6 – 5.0
			D=3.8	1.3 – 5.6	1.3 – 9.7
			F=7.6	2.6 – 11.5	2.6 –19.9
			G=12.2	3.9 – 17.3	3.9 – 30.0
1-1/4"	QS2	18.7	H=10.0	3.4 – 15.0	3.4 – 26.2
			I=21.8	7.2 – 32.3	7.2 – 55.9
1-1/2"	QS2	25.4	J=22.1	7.4 – 33.0	7.4 – 57.2
			N=54.7	13.9 – 62.0	13.9 – 107.4
2"	QS3	41.9	M=65.2[7]	21.6 – 96.5	21.6 – 167.1
			P=105.2	21.6 – 96.5	21.6 – 167.1

NOTES

[2] Coil Type must be FNPT if hoses are required.
[3] Extension Option includes handle cover and accessory extensions for either 1-1/2" or 2" Insulation.
[4] Accuracy is for venturi portion of valve only. Pressure readability is dependent on accuracy of gauge and system pressure stability.
[5] The generally accepted upper limit as recommended by ASHRAE to prevent pipe noise is 4 ft/sec.
[6] Cv's are used to calculate the permanent pressure drop. PSID=(Flow/Cv)^2. Use the Flow Curve for flow measurement.
[7] 65.2 Cv includes an optimizer insert in the ball.

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