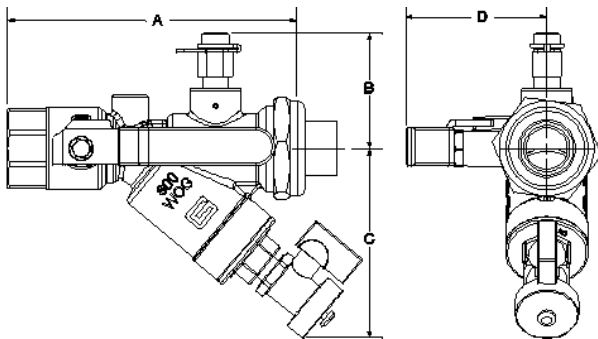


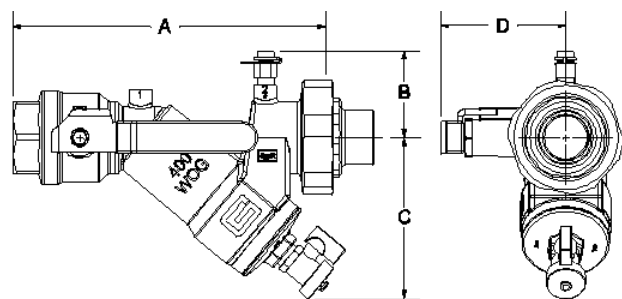
SPECIFICATIONS

PSI/Temperature Rating:	1/2"–1-1/2": 600 WOG 400 PSI / 250° F 1-1/2"L–3": 400 WOG 275 PSI / 250° F
Body Material:	Forged DZR Brass
End Connections:	Brass – NPT, Sweat, QuickPress ¹ , Grooved, Carbon Steel Raised Face Flange, Class 150, ANSI B16-5 ²
Ball Valve Seals:	Teflon
Union Seal:	EPDM O-Ring
Body Tappings³:	(3) Bosses for CPTAs and Drain Valve
Ball Valve:	Stainless Steel
Stem:	Brass (Optional: Stainless Steel)
Field Repairable Stem:	Dual Teflon seals and EPDM O-ring
Strainer:	20 mesh stainless steel (optional 50 mesh)
Options:	Combination P/T Test Valve and Manual Air Vent (CPTA), Drain Valve, or 1/2" Bypass ⁴ , Extension Option

1/2" – 1-1/2" Housing



1-1/2"L - 3" Housing



DIMENSIONS & WEIGHTS (NOMINAL)

All dimensions are for planning purposes only and may change without notice.

SIZE	A - FIXED END CONNECTION		UNION END CONNECTION ⁵							B	C	D ⁶	Cv ⁷	WEIGHT (LBS.)	
	FNPT	SWT	FNPT		MNPT		SWT								
1/2"	3.9	3.8	1/2":1.0	3/4":N/A ⁸	1/2":1.0	3/4":1.2	3/8",1/2":0.8		3/4":1.1	1.9	2.9	0.5,1.5 2.2	4.7	0.9	
3/4"	3.9	4.0													
3/4"L	5.4	5.4	1/2",3/4":1.0	1":N/A ⁸	1/2"-3/4":1.0	1":1.4	3/8",3/4":1.0		1/2":0.7	1":1.3	2.2	3.6	2.6, 3.2	9.1	2.3
1"	5.4	5.6													
1-1/4"	7.6	7.7	1",1-1/4",1-1/2":1.7		1",1-1/4",1-1/2":1.7 ⁹		1",1-1/4":1.7		1-1/2":1.4	2.5	3.1	3.1, 3.7	24.6	5.0	
1-1/2"	7.5	7.9													
1-1/2"L, 2"	9.3	9.8	1-1/4", 1-1/2":1.6	2": N/A ⁸	1",1-1/4":1.8	1-1/2", 2":1.6	1-1/4",2":1.6		1-1/2":1.7	2.6	3.7	3.7, 4.3	35	8.8	
2"L	10.9	11.2	2": 2.5		2": 1.6		2": 1.6			2.9	4.0	4.0, 4.6	60	12.4	
2-1/2"	11.1	N/A	N/A ¹⁰												
3"	11.3	N/A													

For QuickPress connections add 3.1" (1/2") 3.6" (3/4", 3/4"L), 4.1" (1"), to the FNPT length (A) listed for a valve.

NOTES

¹ Connections are compatible with popular press tools and are rated for maximum 200 PSI.

² Grooved End and Flanged End connections are available on 2-1/2" and 3" valves only.

³ Body Tappings for accessories are a leak proof metal to metal seal and do not require pipe dope or tape. Tape or dope should not be used.

⁴ Bypass is only available on 1/2" to 1-1/2" valves.

⁵ For overall length, add union end connection length to body length.

⁶ Space Saver handle standard on 1/2"-3/4" valves. Standard handle on 1" to 3" valves and 1-1/2" extended handle in 1/2" to 3" is compatible with 1-1/2" insulation. Largest extended handle is compatible with 2" insulation.

⁷ Cv's are based on a clean 20 mesh stainless steel strainer. $PSID = (GPM/Cv)^2$. When a 50 mesh screen is used, multiply PSID by 1.3.

⁸ Tailpiece is not available for this size. Male tailpiece used with coupling.

⁹ 1-1/4"–1-1/2" valves can also take 1/2"–3/4" MNPT tailpieces.

¹⁰ 2-1/2" and 3" Valves are fixed end by fixed end connection. Union connection is not available.

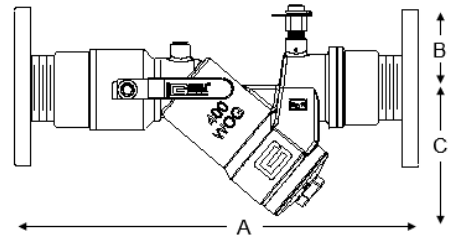
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1700 Barranca Parkway, Irvine, CA 92606
(949) 559-6000 Fax (949) 559-6088
www.GriswoldControls.com

DIMENSIONS & WEIGHTS (NOMINAL)

All dimensions are for planning purposes only and may change without notice.

SIZE	A ¹¹	B	C	D Depth	Cv ¹²	WEIGHT (LBS.)
2-1/2"	15.4	3.5	5.9	4.0	75	26.9
3"	16.3	3.8	5.9			30.1

**MODEL NUMBER SELECTION**

	I	S							
Select a Housing Size (0=1/2"-3/4", 1=3/4"L-1", 2=1-1/4"-1-1/2", 3=1-1/2"L-2", 4=2"L-3")									
Select an Accessory Package (B=CPTA & Drain Valve (20 mesh), C=CPTA, Drain Valve & Bypass (20 mesh) ¹³ D=(2) CPTAs & Drain Valve(20 mesh), E=Bypass Plug (20 mesh), G=CPTA & Drain Valve (50 mesh) H= CPTA, Drain Valve & Bypass (50 mesh))									
Select Ball and Stem Package (P=SS Ball/ Brass Stem, S=SS Ball and Stem)									
Extension Option ¹⁴ (0=No, 1=1-1/2", 2=2")									

T=Optional 3"x3" Aluminum Hanging I.D. Tag

Valve	FIXED END OR UNION END ¹⁵ (No Union Tailpiece=Z)			UNION END ONLY ¹⁵
	Female Threaded	Female Sweat	QuickPress	Male Threaded
IS0	1/2"=E, 3/4"=F ¹⁶	3/8"=K ¹⁷ , 1/2"=L, 3/4"=M	1/2"=2, 3/4"=3	1/2"=H, 3/4"=I
IS1	1/2"=E ¹⁷ , 3/4"=F, 1"=G ¹⁶	3/8"=K ¹⁷ , 1/2"=L ¹⁷ , 3/4"=M, 1"=N	1/2"=2 ¹⁷ , 3/4"=3, 1"=1	1/2"=H, 3/4"=I, 1"=J
IS2	1"=G ¹⁷ , 1-1/4"=P, 1-1/2"=Q	1"=N ¹⁷ , 1-1/4"=K, 1-1/2"=W	1-1/4"=4, 1-1/2"=5	1/2"=H, 3/4"=I, 1"=J, 1-1/4"=S, 1-1/2"=T
IS3	1-1/4"=P ¹⁷ , 1-1/2"=Q, 2"=R ¹⁶	1-1/4"=K ¹⁷ , 1-1/2"=W, 2"=Y	1-1/2"=5, 2"=6	1-1/4"=S, 1-1/2"=T, 2"=U
IS4 ¹⁵ (Union)	2"=L	2"=Y	N/A	1-1/4"=S, 1-1/2"=T, 2"=U
IS4 ¹⁵ (Fixed End)	2"=L, 2-1/2"=M, 3"=N ¹⁸	N/A	N/A	N/A

For Flange and Grooved options use these codes:

Flanged End Size (M9= 2-1/2", N9=3")

Grooved End Size (MG=2-1/2", NG=3")

Flange Inlet, FNPT Outlet (MC=2-1/2", NC=3")

NOTES¹¹ Deduct 0.25" from the MC and NC option.¹² Cv's are based on housing without cartridge. PSID=(GPM/Cv)².¹³ C option with bypass is only available for 1/2" to 1-1/2" size.¹⁴ Extension Option includes handle cover and accessory extensions for either 1-1/2" or 2" insulation.¹⁵ Select the Fixed End First and the Union End Second. For 2-1/2" and 3" size select a 2nd fixed end instead of a union end.¹⁶ Tailpiece is not available for this size. Male tailpiece used with coupling.¹⁷ Fixed end not available for this size. Union tailpiece only.¹⁸ For Grooved End option use MG=2-1/2" and NG=3".**This specification © 2025 Griswold Controls**

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