

Application

The Pressure-Tru® ZW5004 Series Pressure Reducing Valve is listed as a floor control valve, an indicating valve, and a check valve in automatic sprinkler systems as well as a standpipe valve for CLASS I and CLASS III systems. Regulates pressure under both flow and no-flow conditions. Ideal for applications where immediate field adjustments are needed. Can be factory set and adjusted or set in the field as needed. The valve has a listed supervisory switch built in. Suitable for indoor/outdoor use. Tamper-resistant housing can be rotated for easy wiring switch rated 3 amps @ 125 VAC. Normally open contacts are standard.

Standards Compliance

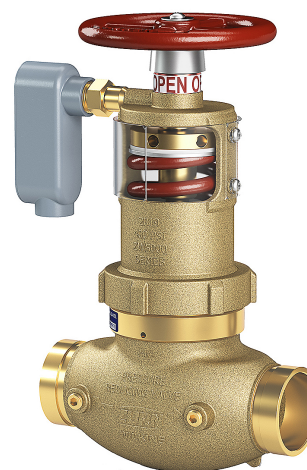
- UL® Listed
- C-UL® Listed

Materials

Main Valve Body	Cast Bronze ASTM B806
Elastomers	Buna Nitrile EPDM
Flange	Cast Bronze ASTM B806
Spring	ASTM A401 powder coated Chrome silicon
Stem	Cast Bronze ASTM B806

Features

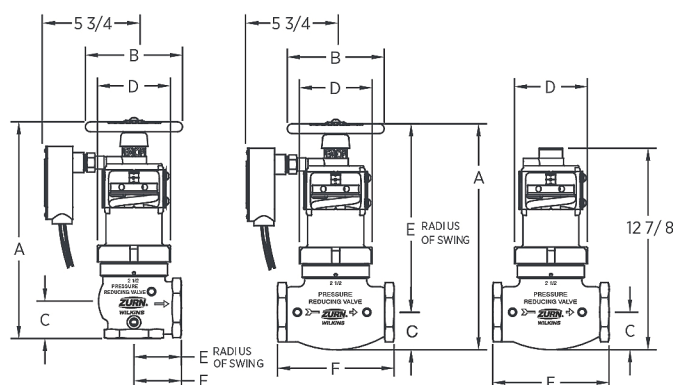
Sizes 2-1/2"	
Maximum inlet pressure	400 psi
End connection (FNPT)	ANSI B1.20.1
End connection (Grooved)	AWWA C606
Factory or Field Set	
Tapped and plugged inlet and outlet for pressure gauge (both sides)	
Integral supervisory switch contact rating of 3 amps at 125VAC and a tamper resistant cover	



ZW5004ILG

Options (Suffixes can be combined)

IL	Angle type valve
G	In-line (globe type) valve
CAP	With grooved connections
	With capped bonnet, no handwheel assembly and no supervisory switch



ZW5004

ZW5004IL

ZW5004CAP

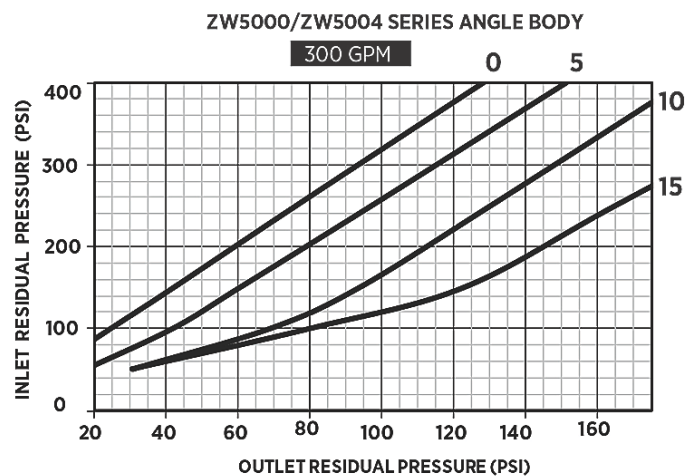
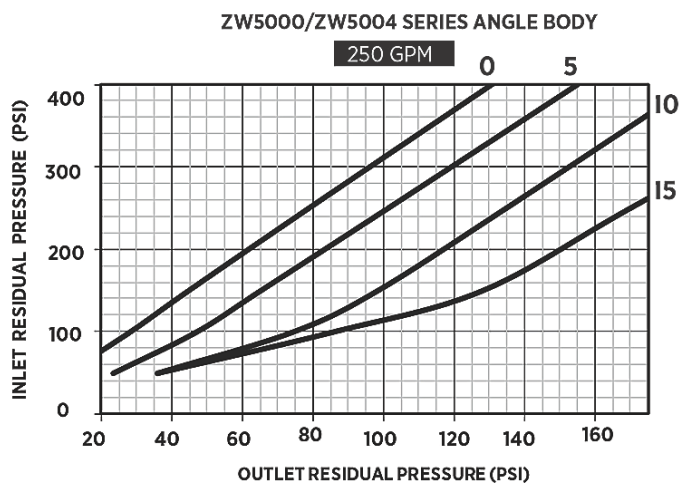
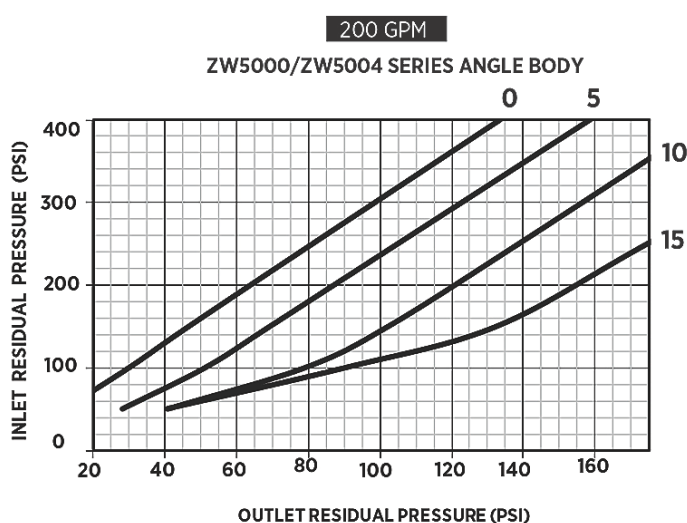
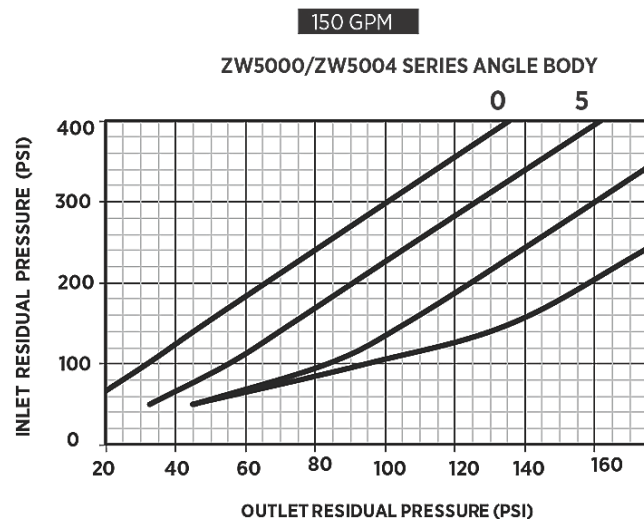
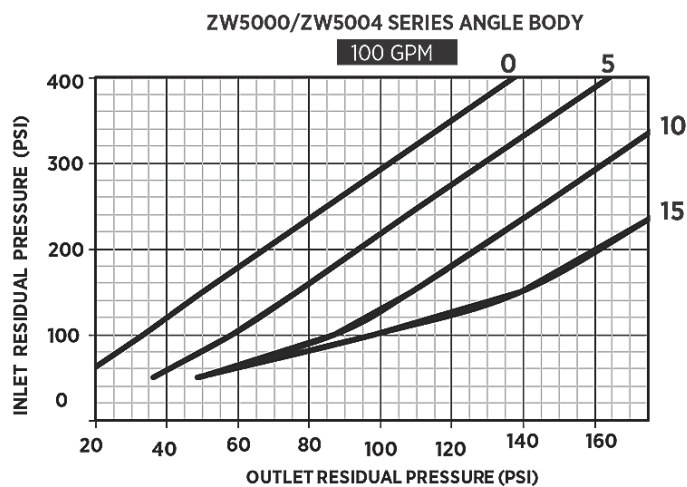
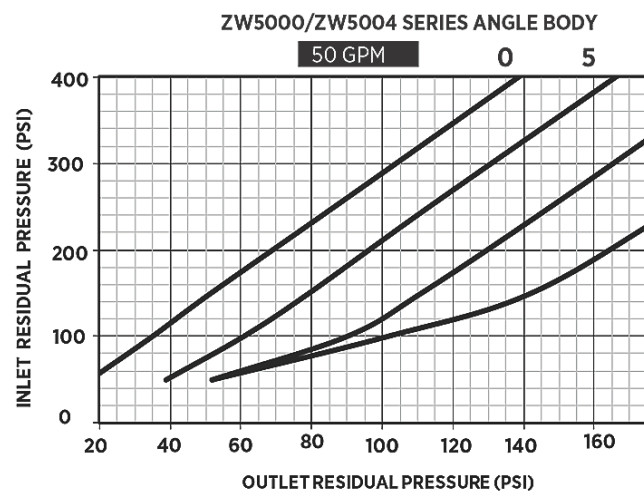
Dimensions & Weights (do not include pkg.)

MODEL	DIMENSIONS (approximate)															
	A OPEN		A CLOSED		B		C		D		E		F		WEIGHT	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs	kg
ZW5004	13 7/8	352	13 3/8	340	6 1/4	159	2	51	5	127	3 1/2	89	3 1/4	83	23	10.2
ZW5004IL	14 1/2	368	14	356	6 1/4	159	2 1/2	64	5	127	12 7/16	316	7 1/2	191	27.25	12.4
ZW5004G	14 1/2	368	14	356	6 1/4	159	2 1/2	64	5	127	N/A	N/A	3 1/4	83	23	10.2
ZW5004ILG	14 1/2	368	14	356	6 1/4	159	2 1/2	64	5	127	N/A	N/A	8 3/4	222	27.25	12.4

Design and dimensional data (inches and [mm]) are subject to manufacturing tolerances and change without notice.

Residual Pressure Charts

For Pressure-Tru ® 2 1/2" Models

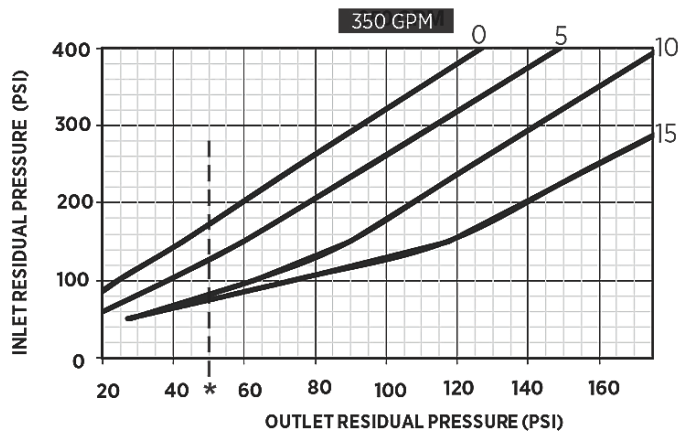


Note: Curve accuracy= ±5 PSIG *50 PSI Minimum setting for sprinkler systems

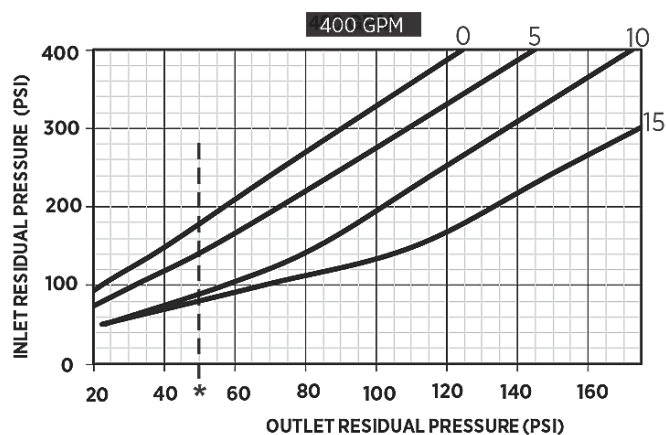
Residual Pressure Charts

For Pressure-Tru ® 2 1/2" Models

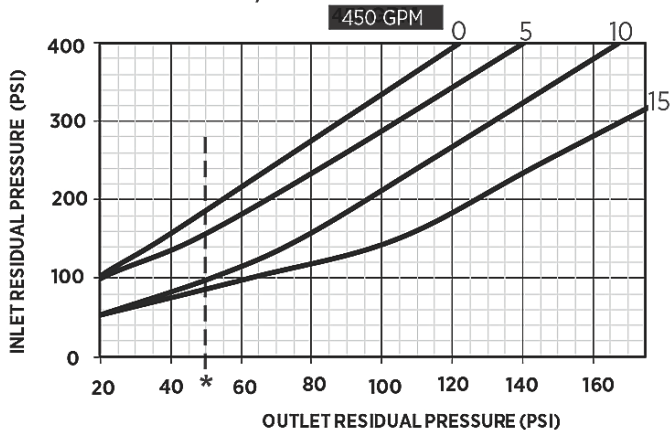
ZW5000/ZW5004 SERIES ANGLE BODY



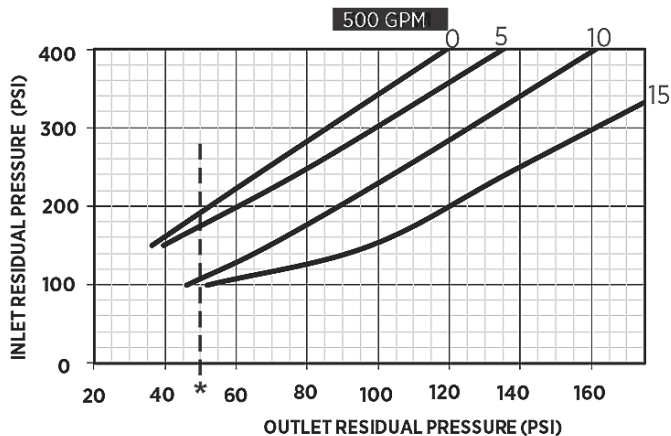
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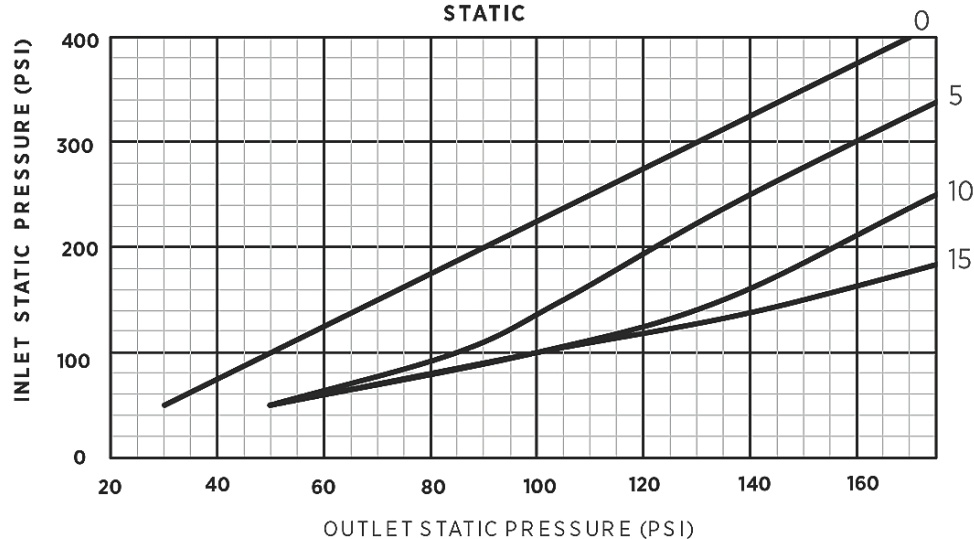


STATIC PRESSURE CHART

For Pressure-Tru ® Angle
and In-line Valves
(2-1/2" Inlet and Outlet)

MODELS:
ZW5000 and ZW5004 (ALL)

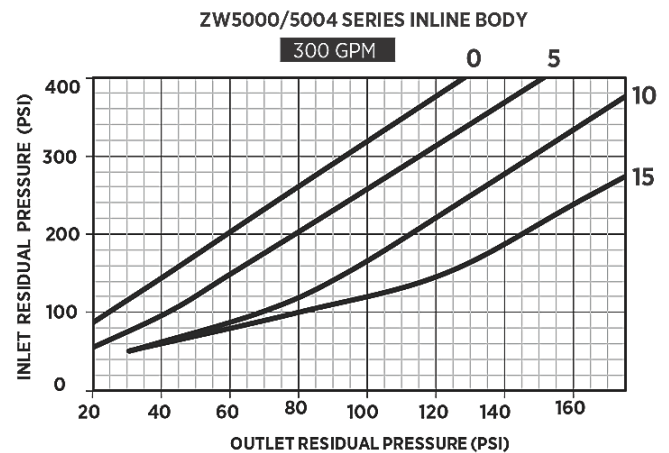
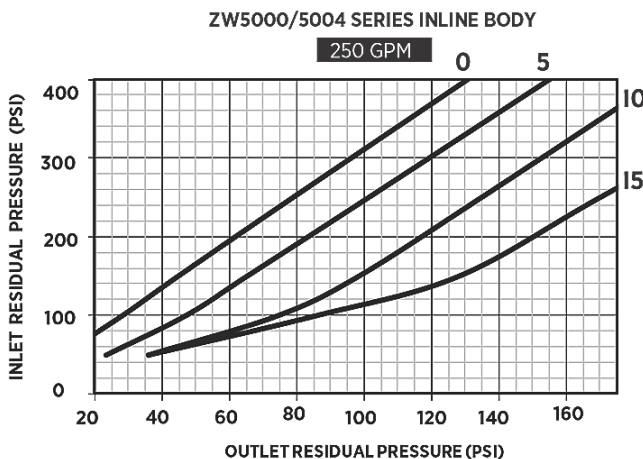
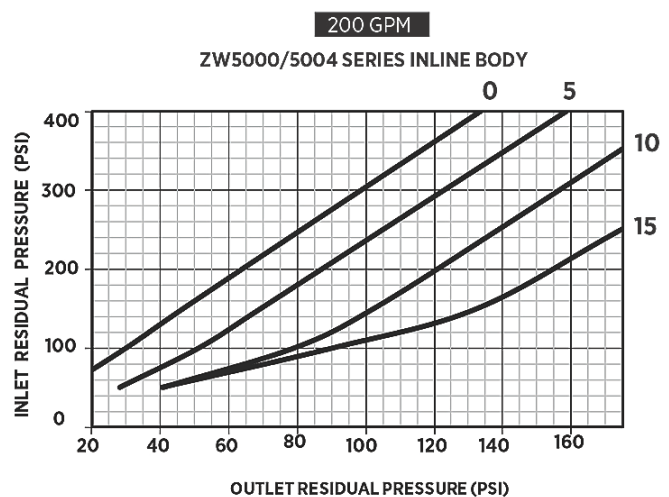
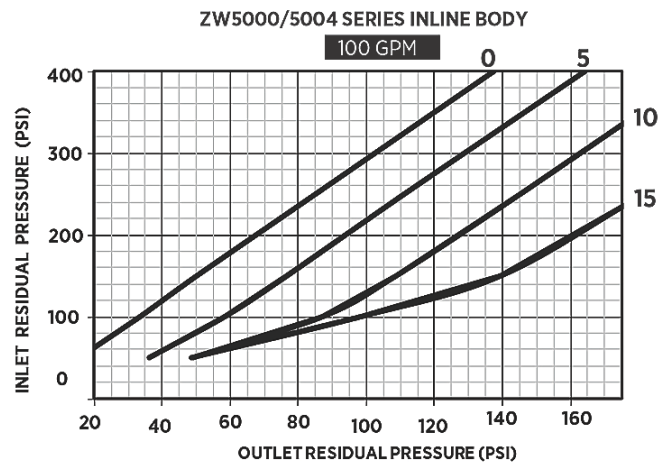
ZW 5000 SERIES
STATIC



Note: Curve accuracy= ±5 PSIG *50 PSI Minimum setting for sprinkler systems

Residual Pressure Charts

For Pressure-Tru ® 2 1/2" Models



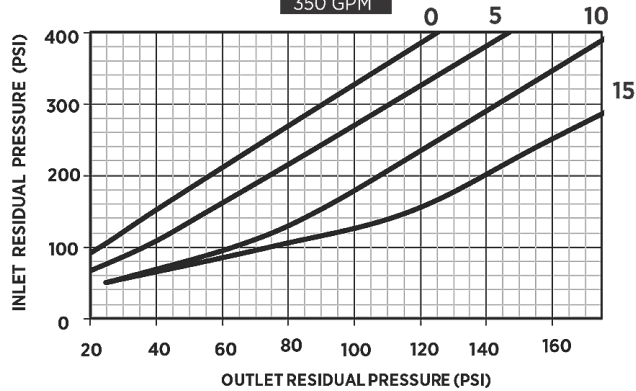
Note: Curve accuracy= ±5 PSIG *50 PSI Minimum setting for sprinkler systems

Residual Pressure Charts

For Pressure-Tru® 2 1/2"

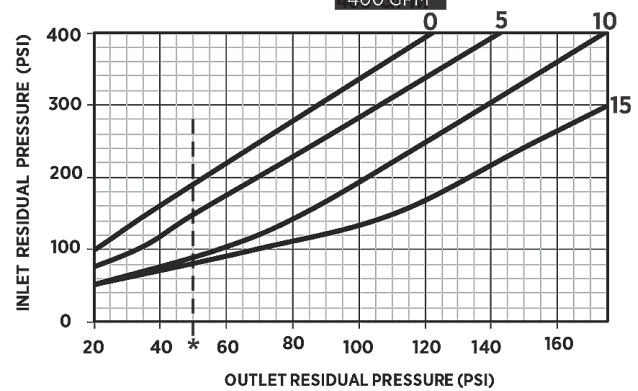
ZW5000/5004 SERIES INLINE BODY

350 GPM



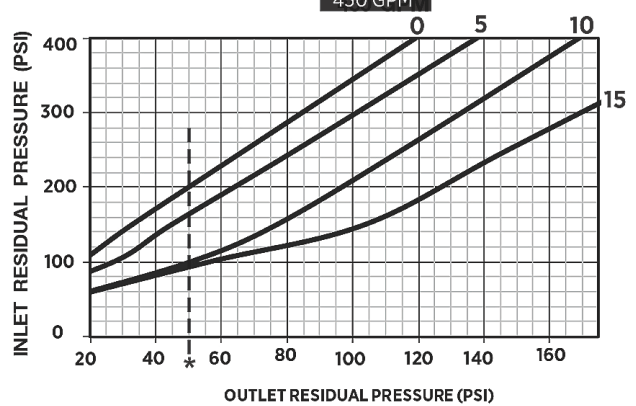
ZW5000/5004 SERIES INLINE BODY

400 GPM



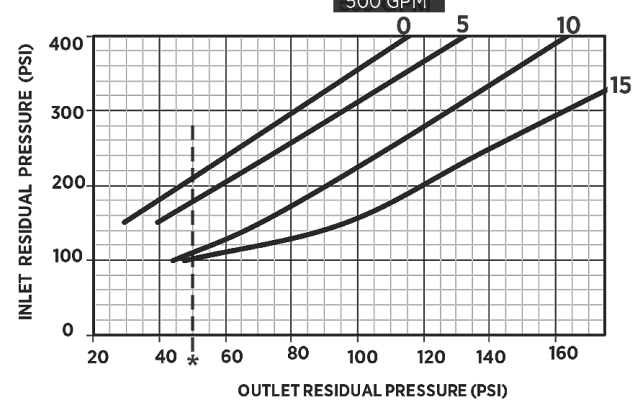
ZW5000/5004 SERIES INLINE BODY

450 GPM



ZW5000/5004 SERIES INLINE BODY

500 GPM



[Installation and Maintenance Instructions - ZW5004](#)

[Repair Kit Instructions - Model ZW5004](#)

[Supervisory Switch Instruction Sheet - Model ZW5004](#)