

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

Material

Main valve body	Cast bronze	ASTM B806
Stem	Cast bronze	ASTM B806
Flange	Cast bronze	ASTM B806
Elastomers	Buna Nitrile	EPDM
Springs	Chrome silicon,	ASTM A401
		powder coated

Features

- Sizes: 2 1/2"
- Maximum inlet pressure 400 psi
- End connection (FNPT) ANSI B1.20.1
- (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

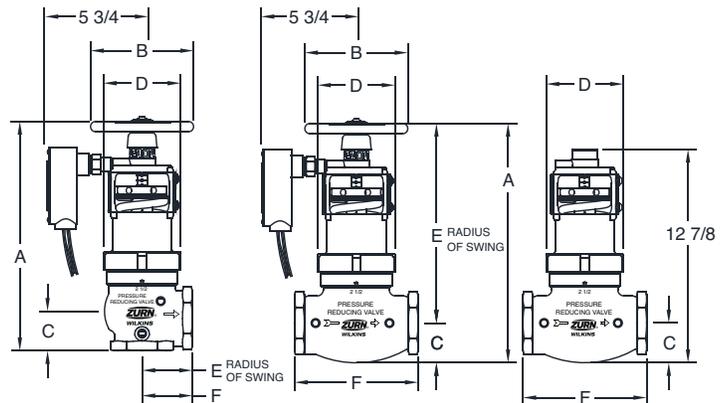


ZW5004ILG

Options

(Suffixes can be combined)

- angle type valve
- IL - in-line (globe type) valve
- G - with grooved inlet
- CAP - with capped bonnet, no handwheel assembly

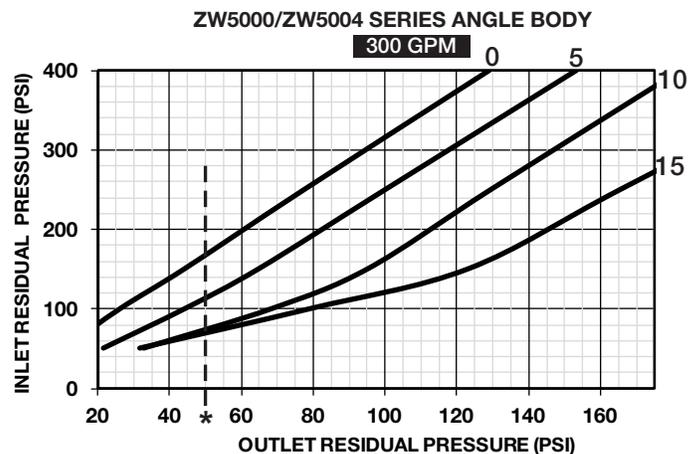
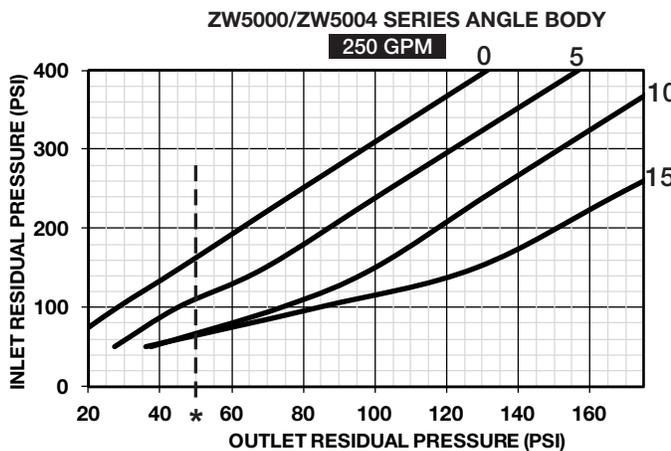
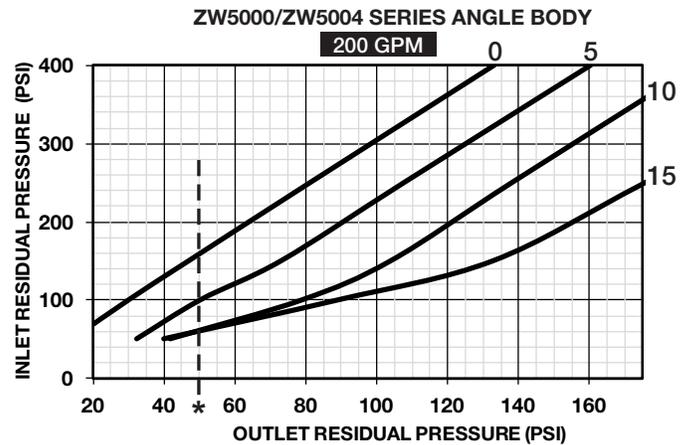
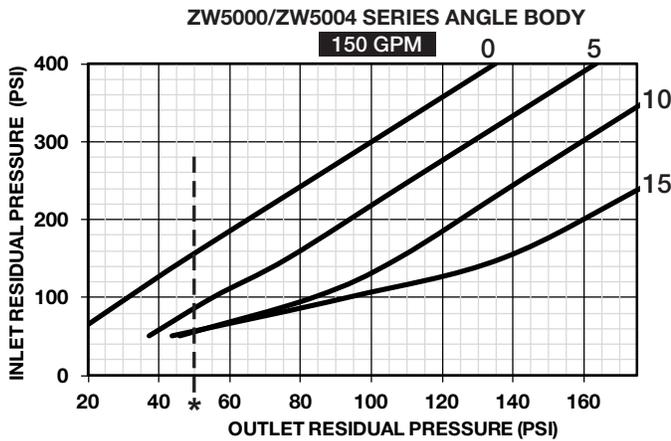
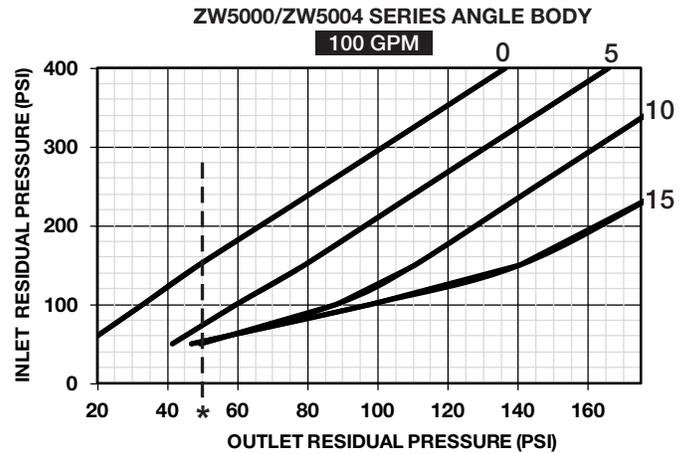
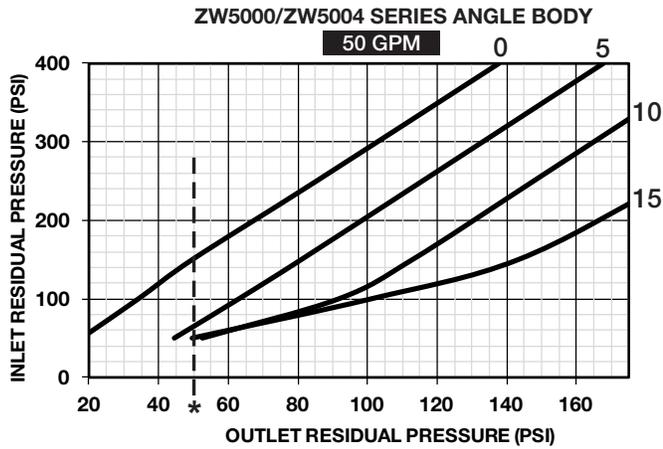


Dimensions & Weights (do not include pkg.)

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

Residual Pressure Charts

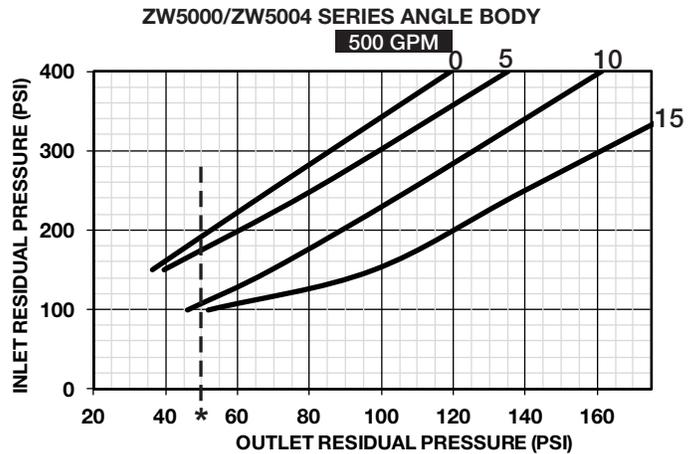
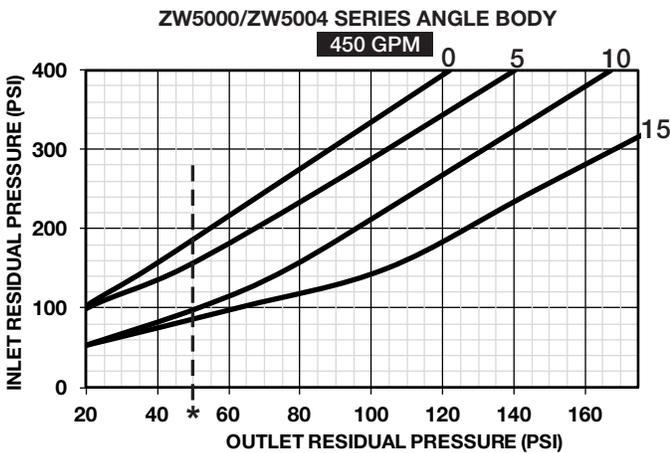
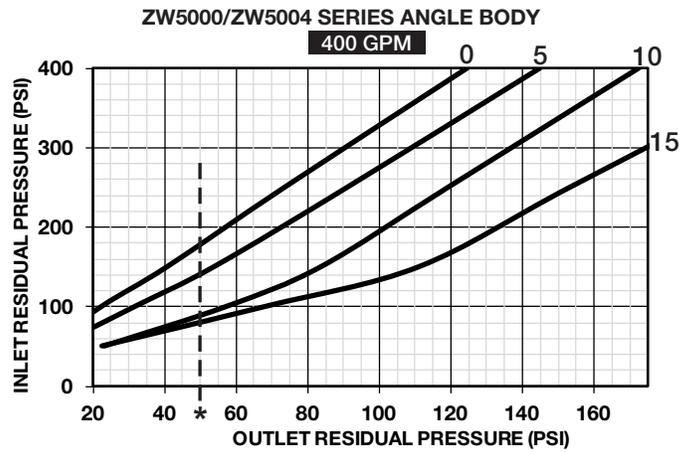
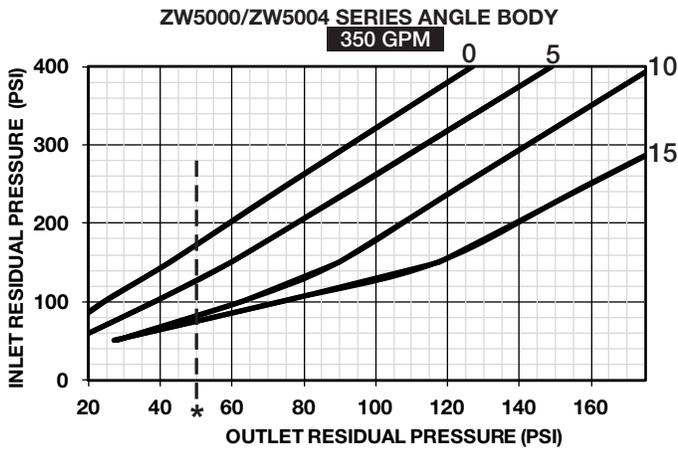
For Pressure-Tru® 2 1/2" Models



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

Residual Pressure Charts

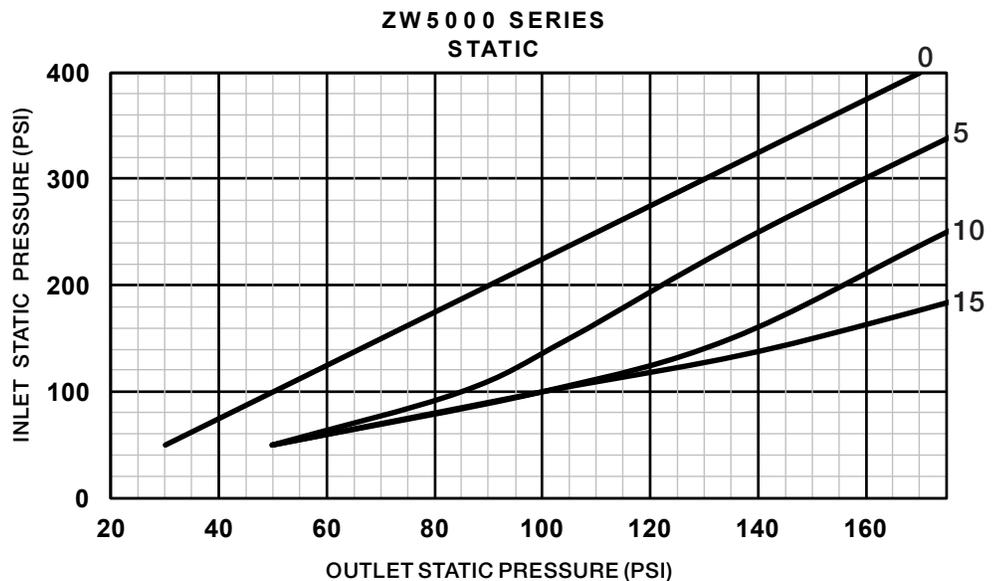
For Pressure-Tru® 2 1/2" Models



STATIC PRESSURE CHART

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

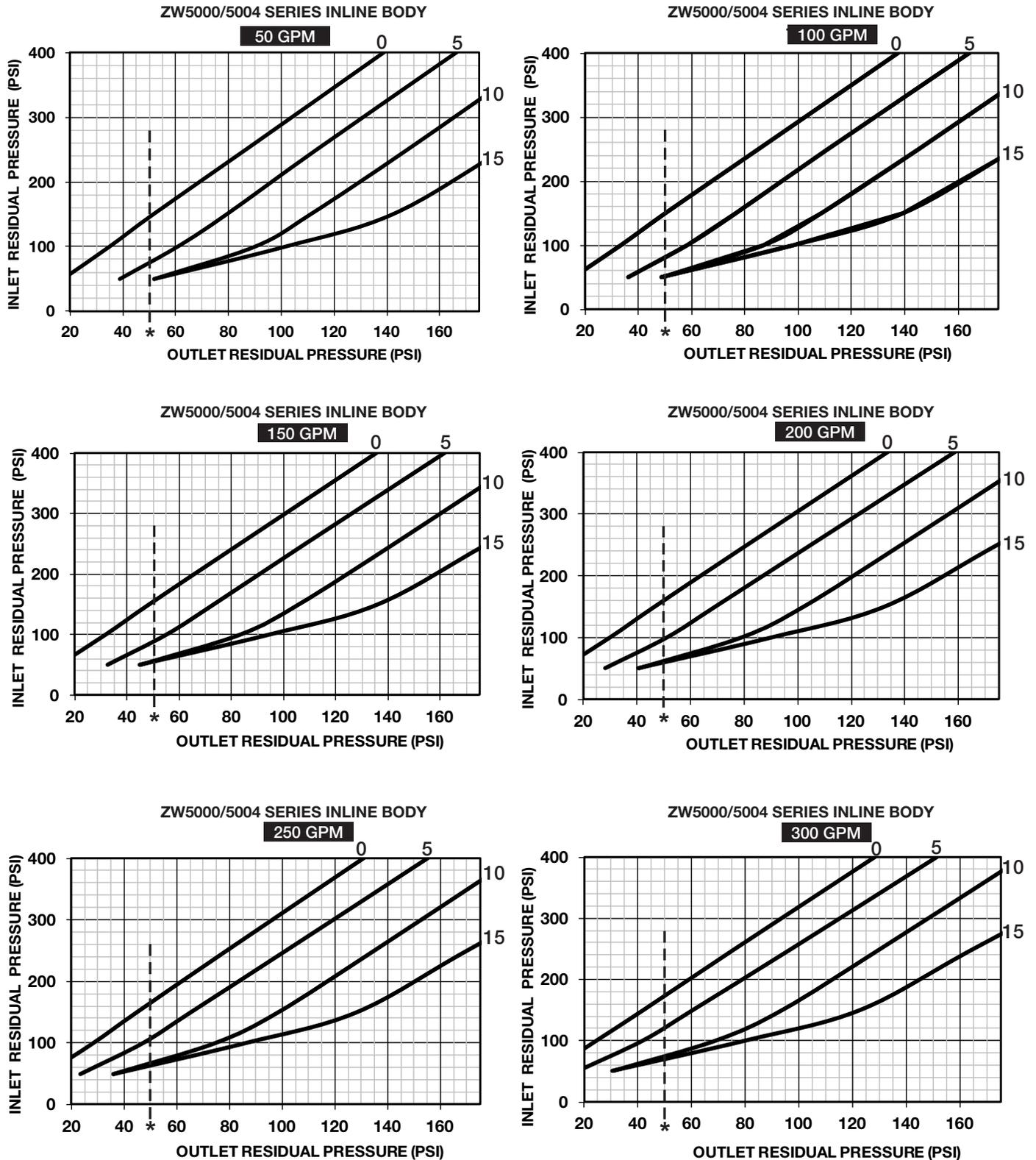
MODELS:
ZW5000 and ZW5004 (ALL)



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

Residual Pressure Charts

For Pressure-Tru® 2 1/2" Models



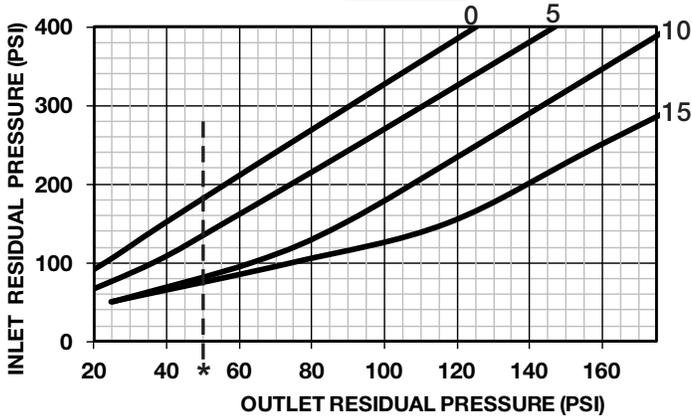
Note: Curve accuracy= ±5 PSIG *50 PSI Minimum setting for sprinkler systems

Residual Pressure Charts

For Pressure-Tru® 2 1/2"

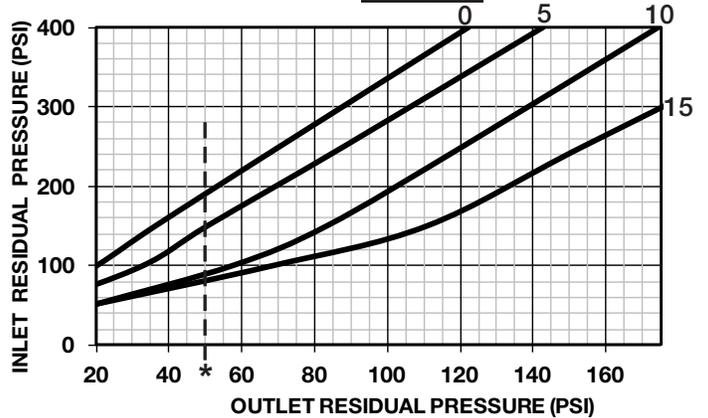
ZW5000/5004 SERIES INLINE BODY

350 GPM



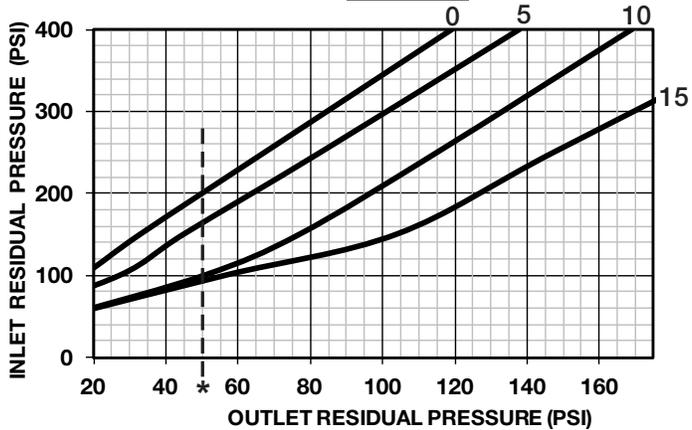
ZW5000/5004 SERIES INLINE BODY

400 GPM



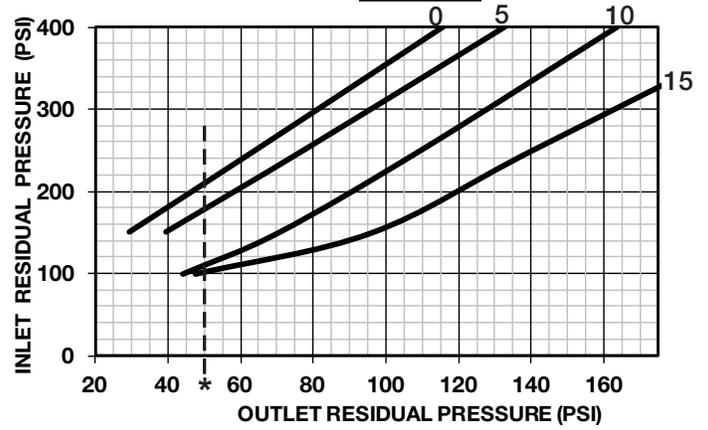
ZW5000/5004 SERIES INLINE BODY

450 GPM



ZW5000/5004 SERIES INLINE BODY

500 GPM



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