

Application

The Pressure-Tru® ZW5000 Series Pressure Reducing Valve is listed as a standpipe valve for individual hose stations in 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.



ZW5000

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

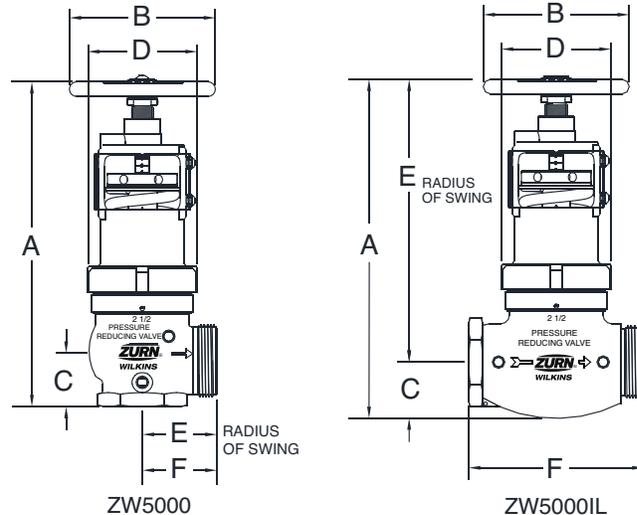
Features

Sizes:	2 1/2"	
Maximum inlet pressure	400 psi	
End connection (FNPT)	ANSI B1.20.1	
(Grooved)	AWWA C606	
(Male hose)	NFPA1963	
Factory or Field Set		
Maximum inlet pressure	400 psi	
Inlet connection (ZW5000)	FNPT or Groove	
Inlet connection (ZW5000F)	FNPT	
Outlet connection (ZW5000)	Male hose	
Outlet connection (ZW5000F)	FNPT	
Factory or Field Set		
Tapped and plugged inlet and outlet for pressure gauge (both sides).		

Options

(Suffixes can be combined)

- ZW5000 - angle type valve
- IL - in-line (globe style) valve, not available with SF or ST options
- G - with grooved inlet, not available with SF or F options
- SF - with San Francisco hose thread (3")
- ST - with special hose thread
- CC - with cap and chain
- CCCH - with rough chrome finish and cap and chain
- ZW5000F - female NPT inlet and outlet angle valve
- IL - female NPT inlet and outlet in-line valve
- CH - female NPT inlet and outlet with chrome finish

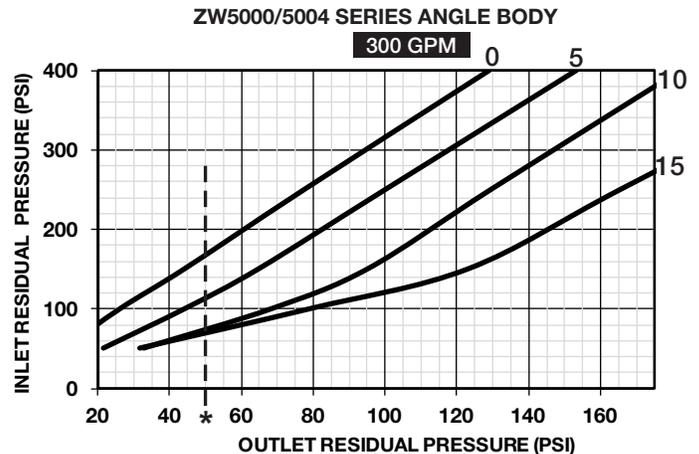
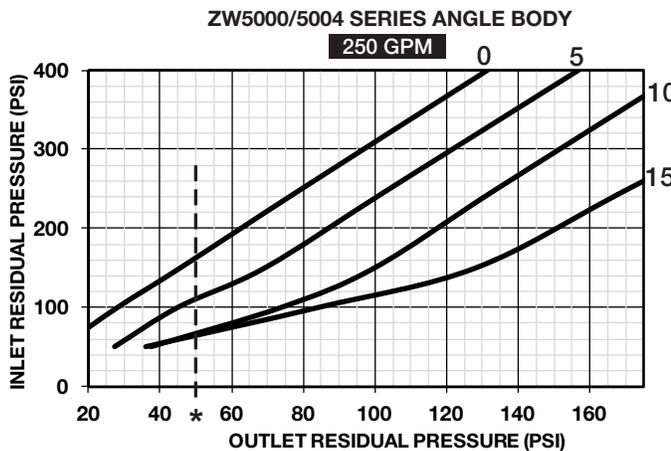
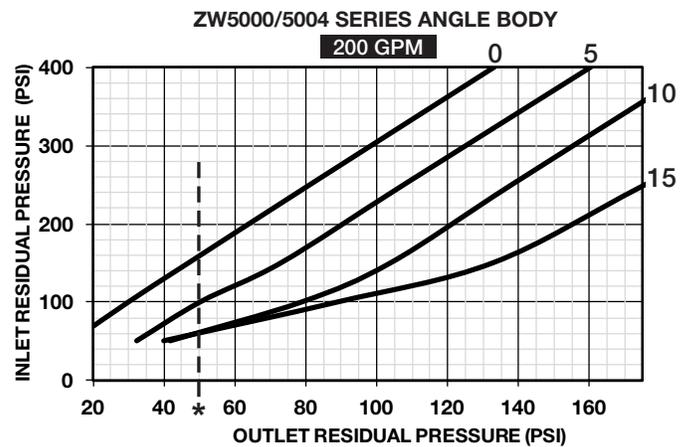
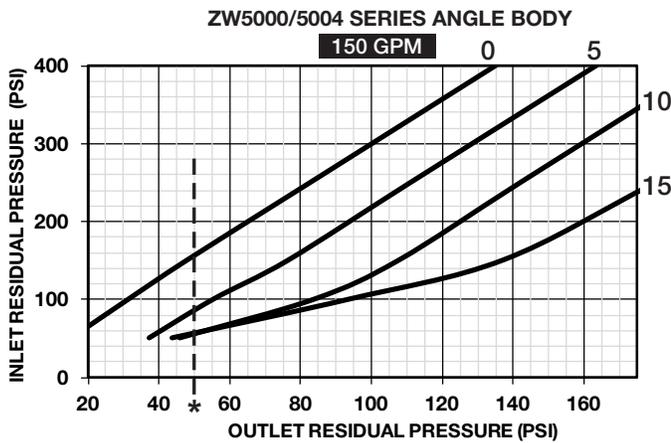
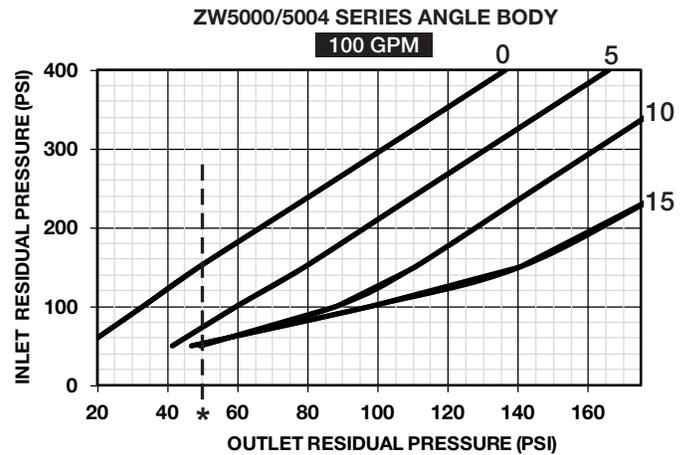
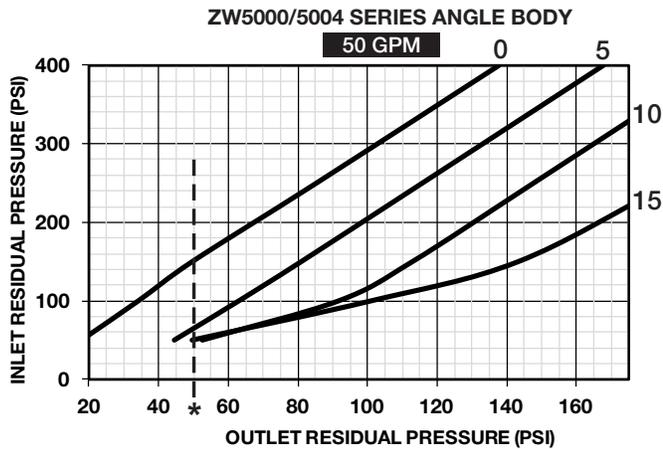


Dimensions & Weights (do not include pkg.)

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
ZW5000	13 7/8	352	13 3/8	340	6 1/4	159	2	51	5	127	3 1/2	89	3 1/4	83	22.5	10.2
ZW5000IL	14 1/2	368	14	356	6 1/4	159	2 1/2	64	5	127	12 7/16	316	7 1/2	191	26.75	12.1
ZW5000G	14 1/2	368	14	356	6 1/4	159	2 1/2	64	5	127	N/A	N/A	3 1/4	83	22.5	10.2
ZW5000ILG	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	12.2
ZW5000F	13 7/8	352	13 1/4	337	6 1/4	159	2	51	5	127	3 1/2	89	3 1/16	78	23	10.4
ZW5000FIL	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
ZW5000SF	13 7/8	352	13 3/8	340	6 1/4	159	2	51	5	127	3 3/4	95	3 3/8	86	22.5	10.2

Residual Pressure Charts

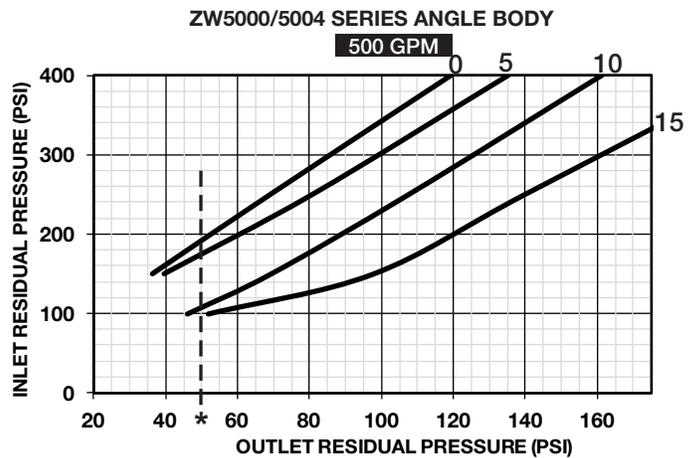
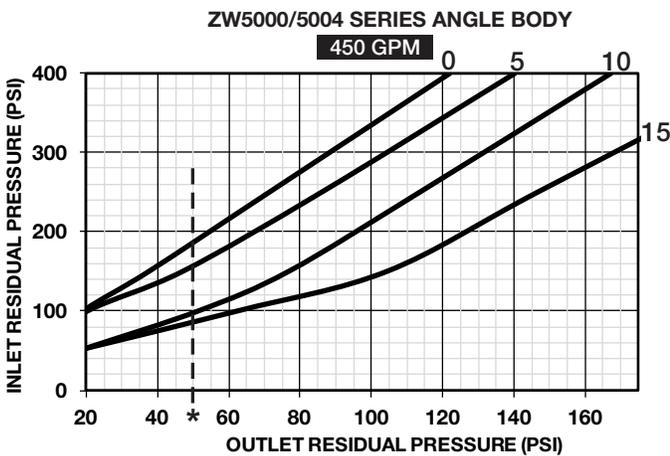
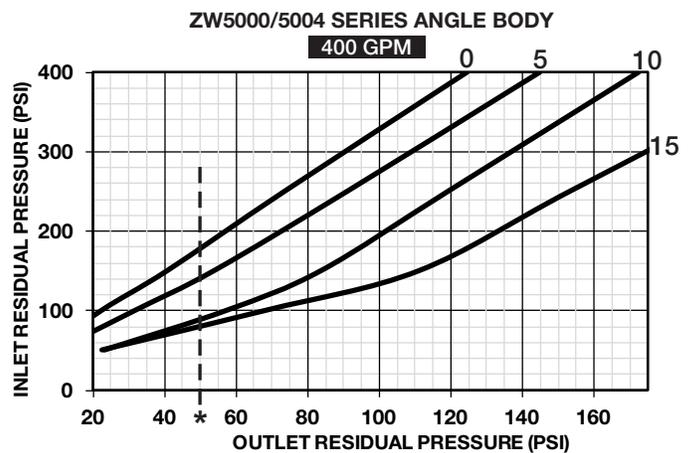
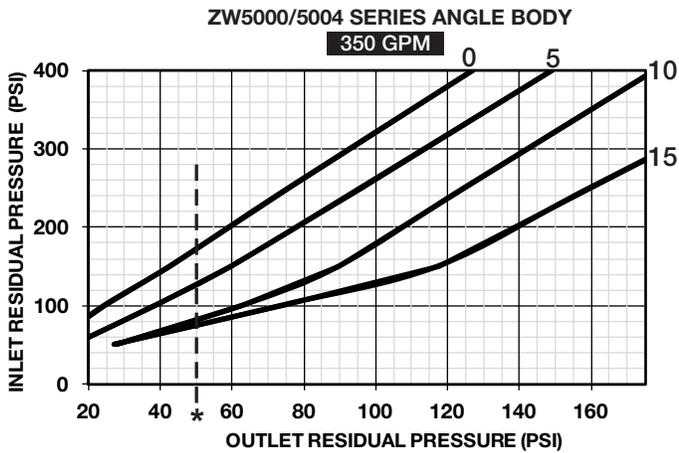
For Pressure-Tru® 2 1/2" Models



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

Residual Pressure Charts

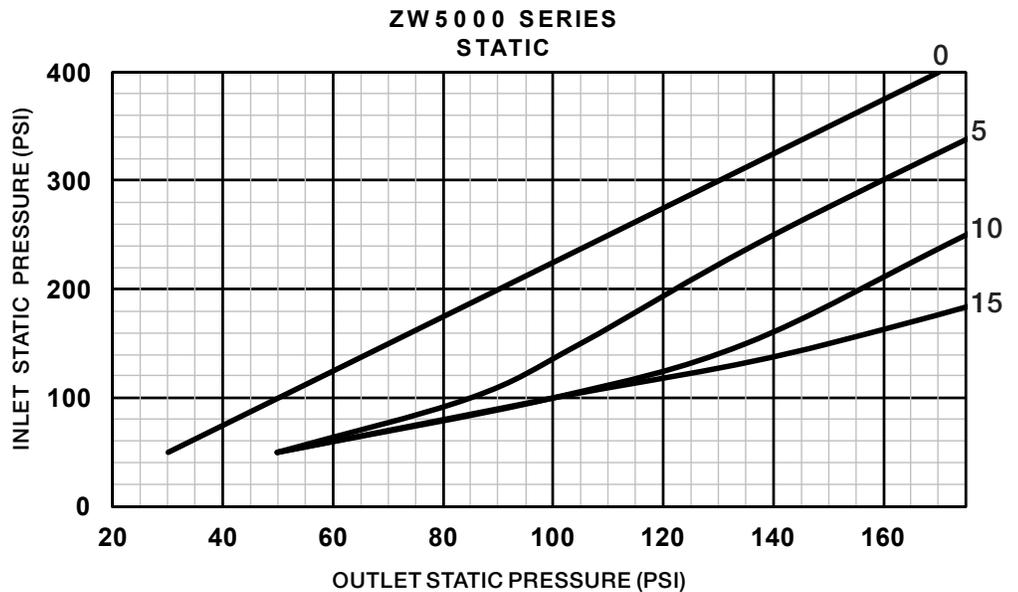
For Pressure-Tru® 2 1/2" Models



STATIC PRESSURE CHART

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

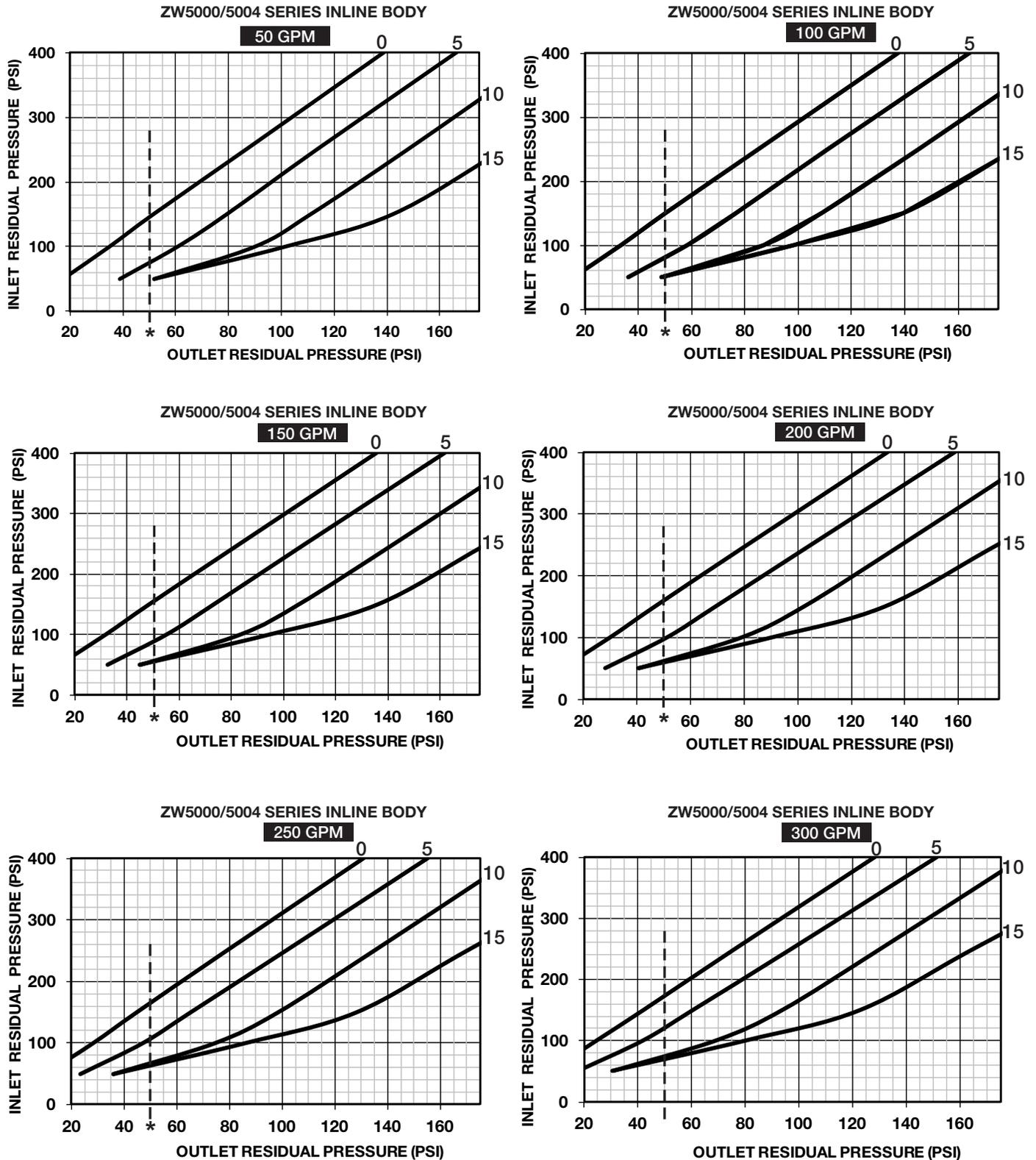
MODELS:
ZW5000 and ZW5004 (ALL)



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

Residual Pressure Charts

For Pressure-Tru® 2 1/2" Models



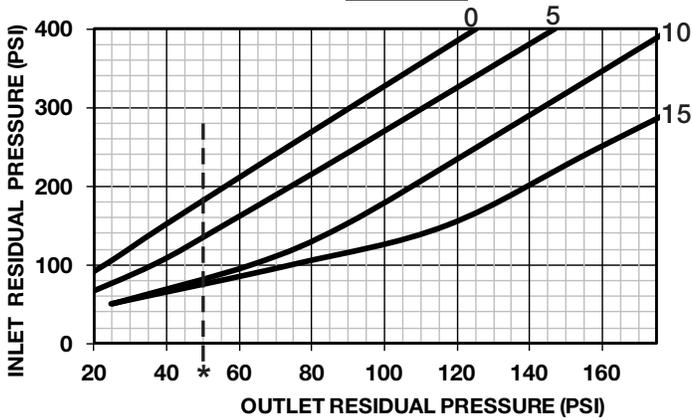
Note: Curve accuracy= ±5 PSIG *50 PSI Minimum setting for sprinkler systems

Residual Pressure Charts

For Pressure-Tru® 2 1/2" Models

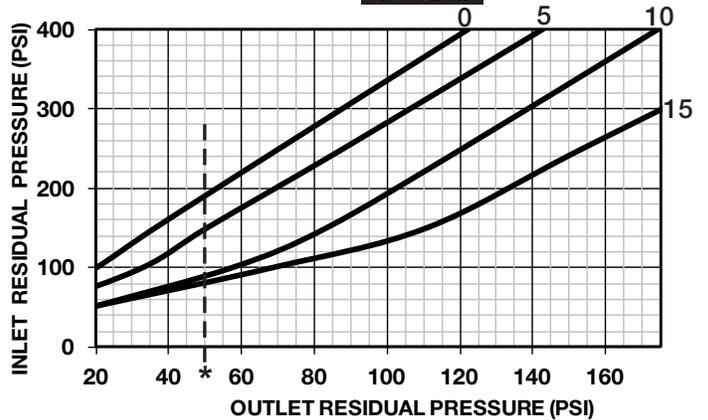
ZW5000/5004 SERIES INLINE BODY

350 GPM



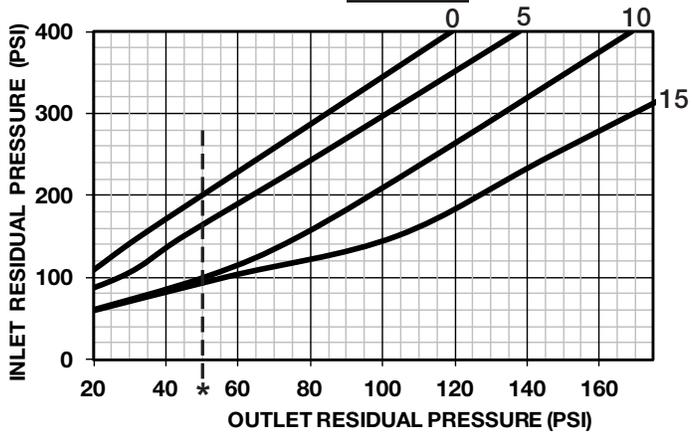
ZW5000/5004 SERIES INLINE BODY

400 GPM



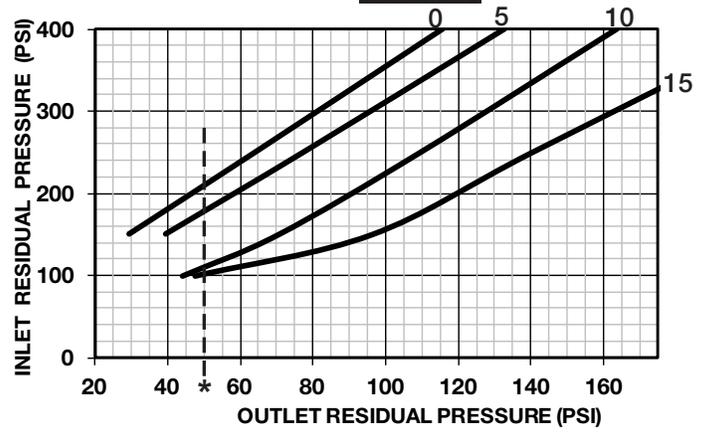
ZW5000/5004 SERIES INLINE BODY

450 GPM



ZW5000/5004 SERIES INLINE BODY

500 GPM



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