



# Model Z3004

## Pressure-Tru™ Floor Control Valve

### Application

The Pressure-Tru™ Z3004 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. Can be adjusted and set at the factory or set in the field without draining the standpipe riser and fire sprinkler system.

### Standards Compliance

- UL® Listed
- C-UL® Listed
- City of Los Angeles Approved
- NYC MEA 37-95-E
- SS option - California State Fire Marshall Listed

### Material

Main valve body	Cast bronze ASTM B 584
Stem	Silicon bronze ASTM B 584
Flange	Navy "G" bronze ASTM B 584
Elastomers	Buna Nitrile (FDA approved) EPDM (FDA approved)
Springs	Chrome silicon, ASTM A 401 powder coated

### Features

Sizes: 2 1/2"

Maximum inlet pressure	400 psi
End connections (FNPT)	ANSI B1.20.1
	(Grooved) AWWA C606
Factory or Field Set	
Tapped and plugged inlet and outlet for pressure gauge.	



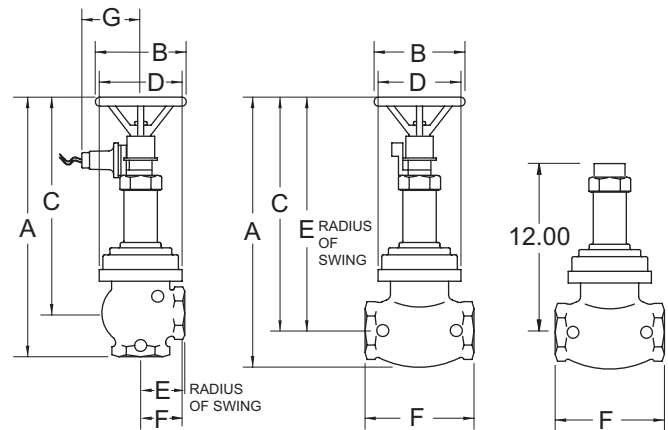
Z3004GMSA

Z3004SS

### Options

(Suffixes can be combined)

- angle type valve
- IL - in-line (globe type) valve
- G - Grooved inlet / outlet connections
- MSA - with monitor switch adapter
- SS - with integral supervisory switch contact rating of 3 amps at 125VAC and a tamper-resistant cover
- CAP - with capped bonnet, no handwheel assembly
- CH - with chrome finish



Z3004SS

Z3004ILMSA

Z3004ILCAP

### Dimensions & Weights (do not include pkg.)

MODEL	DIMENSIONS (approximate)																			
	A OPEN		A CLOSED		B		C OPEN		C CLOSED		D		E		F		G		WEIGHT	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs	kg
Z3004	18 3/8	467	17 1/2	445	6 1/4	159	15 5/8	397	14 3/4	375	5 3/4	146	3 1/2	89	3 1/16	78	N/A	N/A	30	13.6
Z3004SS	18 3/8	467	17 1/2	445	6 1/4	159	15 5/8	397	14 3/4	375	5 3/4	146	3 1/2	89	3 1/16	78	4 3/16	106	30	13.6
Z3004IL	19	483	18 1/8	460	6 1/4	159	16 9/16	421	15 3/4	400	5 3/4	146	16	406	7 1/2	191	N/A	N/A	34	15.4
Z3004G	18 3/4	480	18	460	6 1/4	159	16	410	15 1/4	390	5 3/4	146	3 1/2	89	3 3/16	81	N/A	N/A	30	13.6
Z3004ILG	19	483	18 1/2	470	6 1/4	159	16 9/16	421	15 3/4	400	5 3/4	146	16	406	8 3/4	222	N/A	N/A	34	15.2

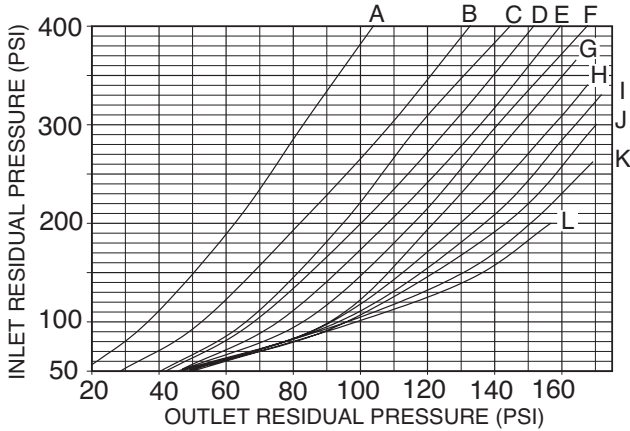
# Residual Pressure Charts

For Pressure-Tru™ 2 1/2" Angle Valves

Models: Z3000, Z3004, Z3005, Z3000G & Z3004G

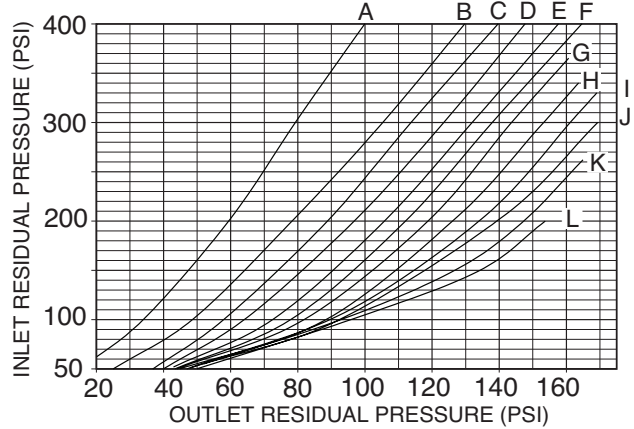
Z3000 SERIES ANGLE BODY

**50GPM**



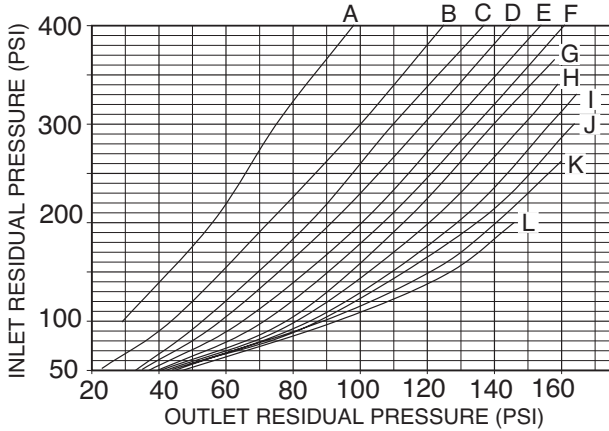
Z3000 SERIES ANGLE BODY

**100GPM**



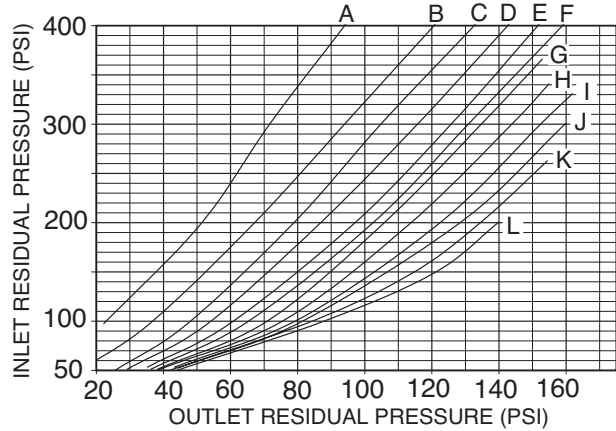
Z3000 SERIES ANGLE BODY

**150GPM**



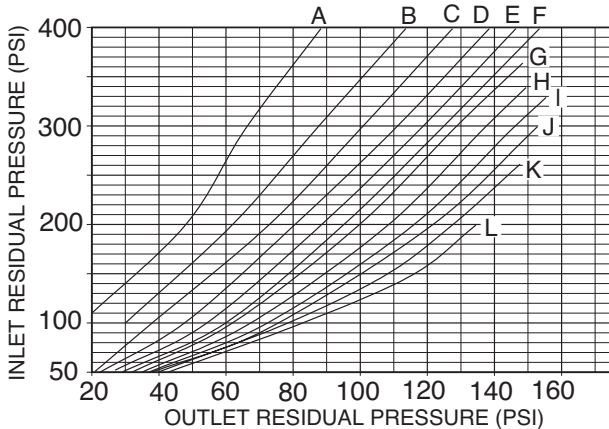
Z3000 SERIES ANGLE BODY

**200GPM**



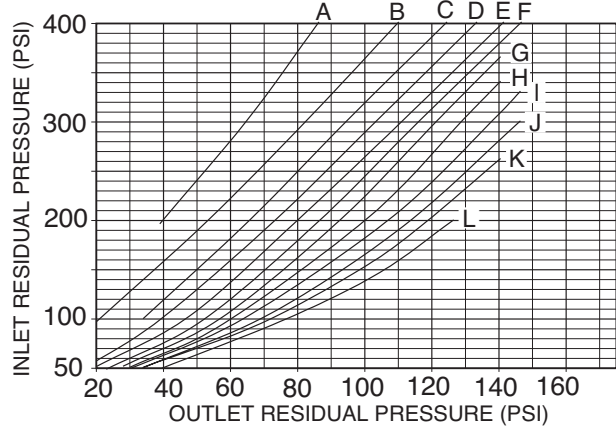
Z3000 SERIES ANGLE BODY

**250GPM**



Z3000 SERIES ANGLE BODY

**300GPM**



"A" DIMENSION SETTINGS (inches)

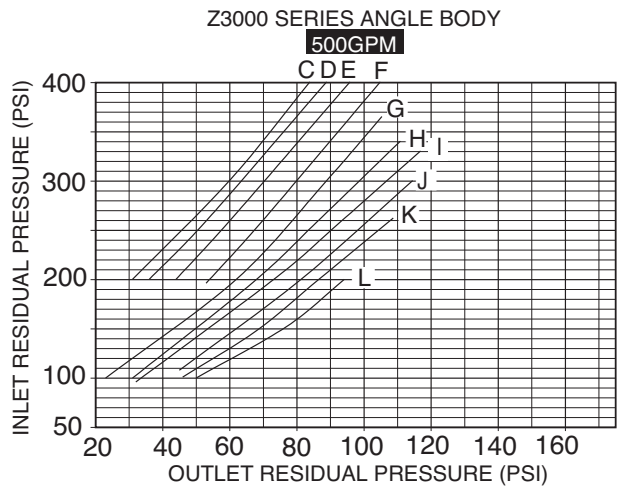
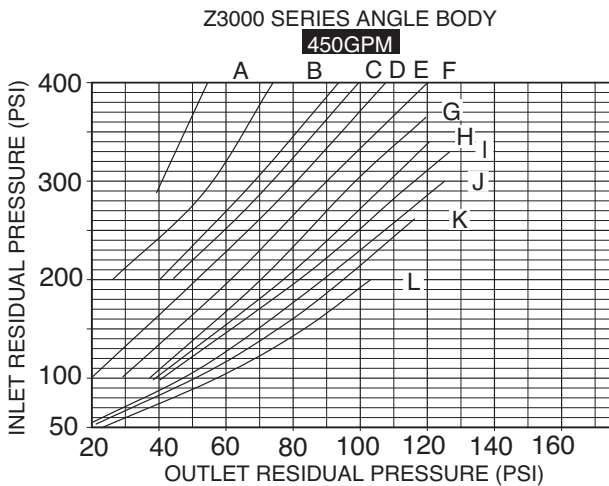
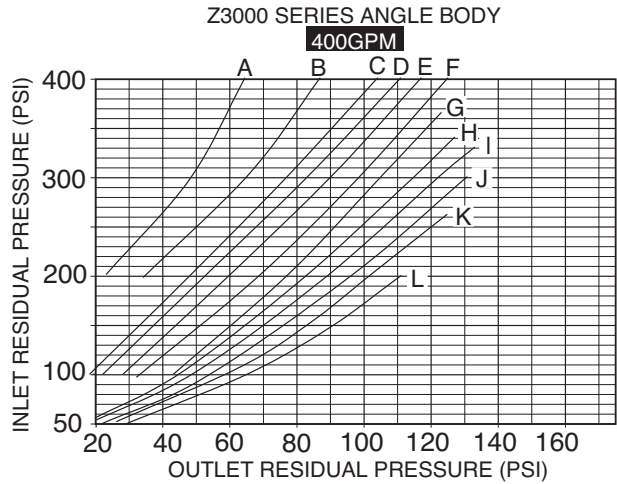
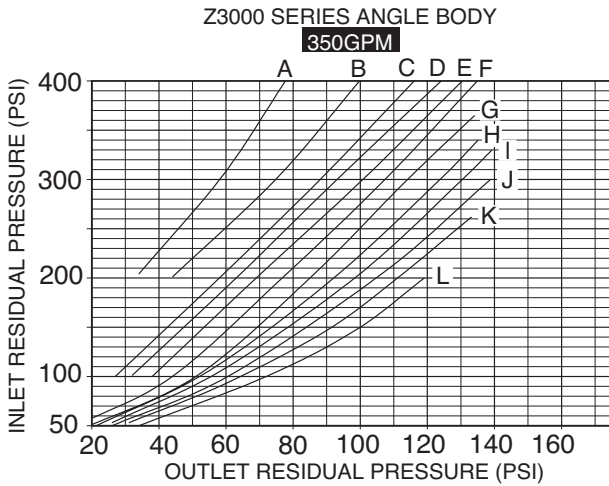
A	B	C	D	E	F	G	H	I	J	K	L
3/8	1/2	5/8	11/16	3/4	13/16	7/8	15/16	1	1-1/16	1-1/8	1-3/16

Note: Curve accuracy= ± 5 PSIG

# Residual Pressure Charts

For Pressure-Tru™ 2 1/2" Angle Valves

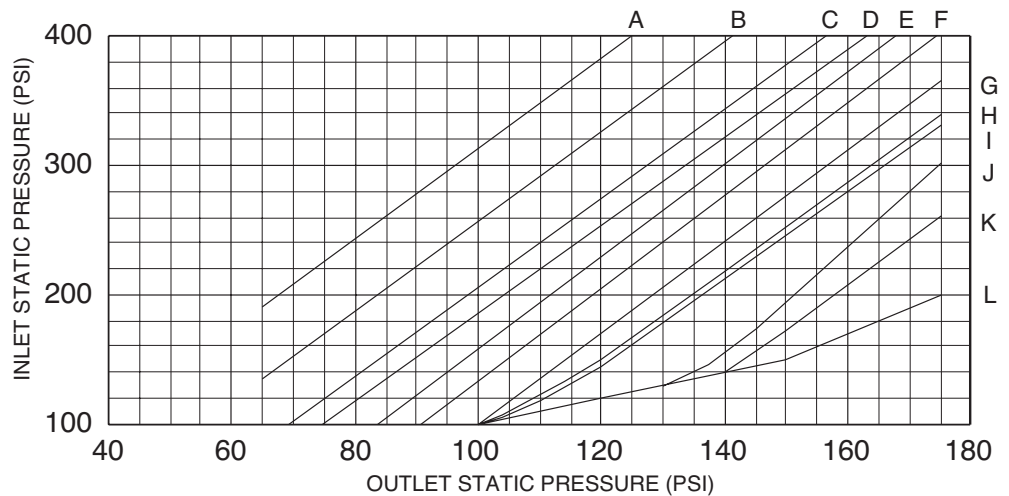
Models: Z3000, Z3004, Z3005, Z3000G & Z3004G



## STATIC PRESSURE CHART

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

MODELS:  
Z3000, Z3004 & Z3005  
(All)



"A" DIMENSION SETTINGS (inches)

A	B	C	D	E	F	G	H	I	J	K	L
3/8	1/2	5/8	11/16	3/4	13/16	7/8	15/16	1	1-1/16	1-1/8	1-3/16

Note: Curve accuracy= ± 5 PSIG

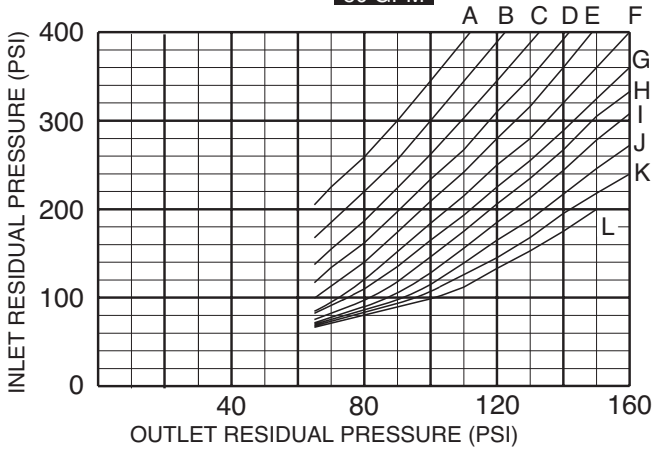
# Residual Pressure Charts

For Pressure-Tru™ 2 1/2" In-line Valves

Models: Z3000IL, Z3004IL & Z3005IL

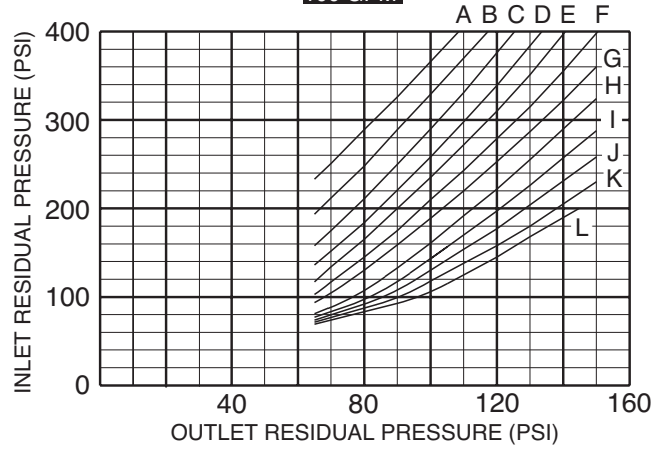
Z3000 SERIES INLINE BODY

**50 GPM**



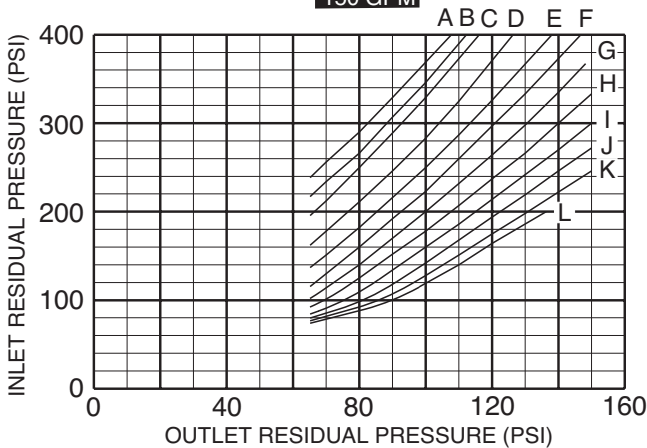
Z3000 SERIES INLINE BODY

**100 GPM**



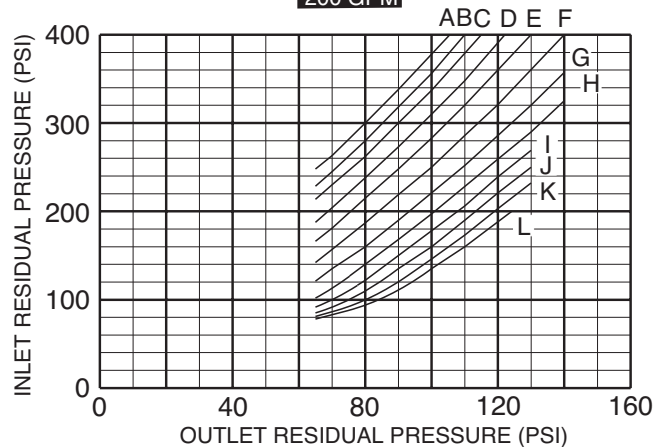
Z3000 SERIES INLINE BODY

**150 GPM**



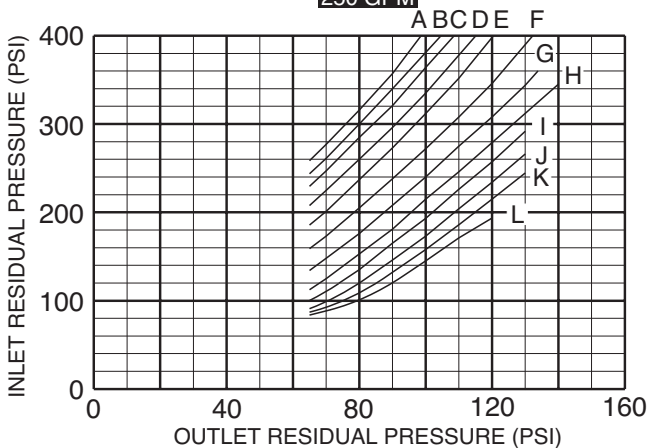
Z3000 SERIES INLINE BODY

**200 GPM**



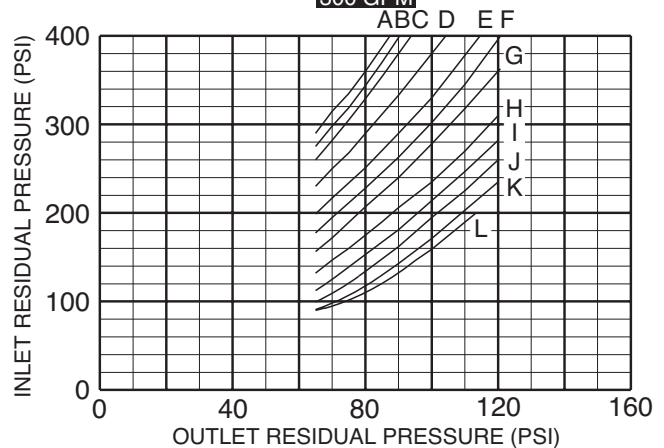
Z3000 SERIES INLINE BODY

**250 GPM**



Z3000 SERIES INLINE BODY

**300 GPM**



"A" DIMENSION SETTINGS (inches)

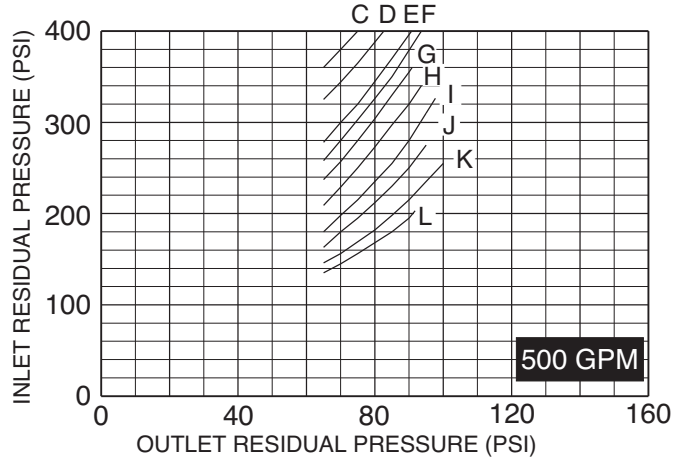
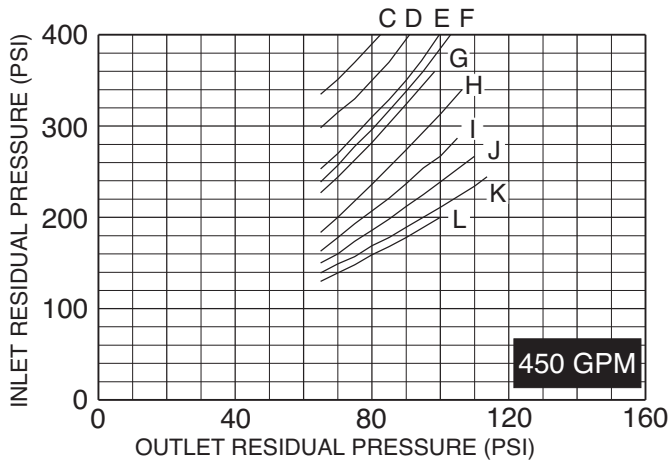
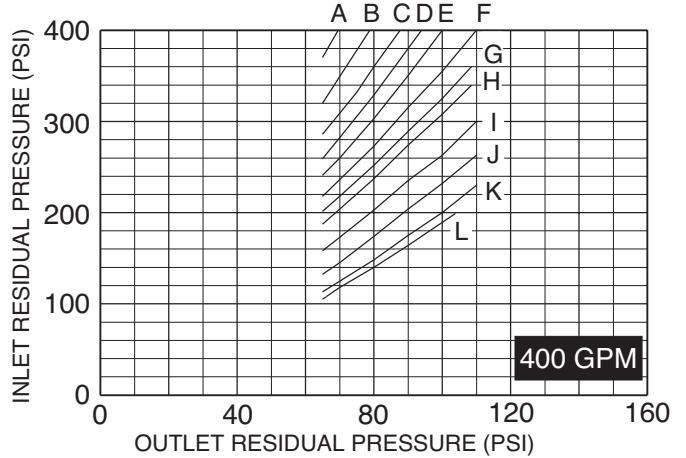
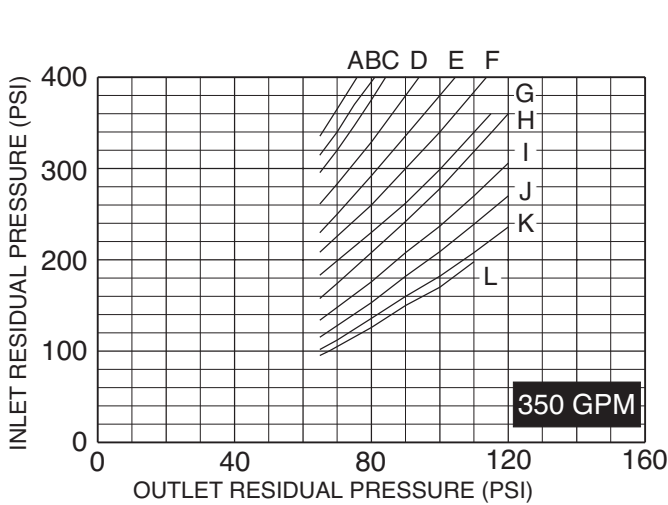
A	B	C	D	E	F	G	H	I	J	K	L
3/8	1/2	5/8	11/16	3/4	13/16	7/8	15/16	1	1-1/16	1-1/8	1-3/16

Note: Curve accuracy= ± 5 PSIG

# Residual Pressure Charts

For Pressure-Tru™ 2 1/2" In-line Valves

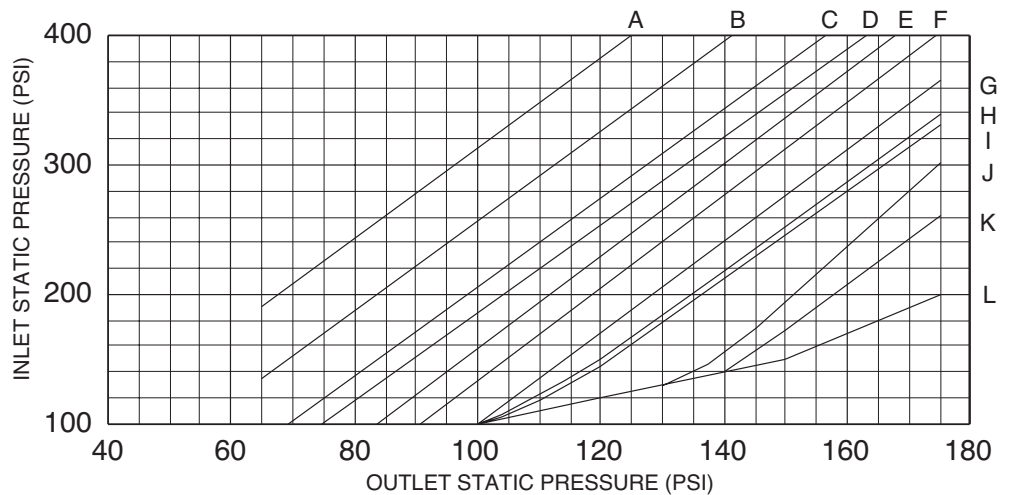
Models: Z3000IL, Z3004IL & Z3005IL



## STATIC PRESSURE CHART

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

MODELS:  
Z3000, Z3004 & Z3005  
(All)



"A" DIMENSION SETTINGS (inches)											
A	B	C	D	E	F	G	H	I	J	K	L
3/8	1/2	5/8	11/16	3/4	13/16	7/8	15/16	1	1-1/16	1-1/8	1-3/16

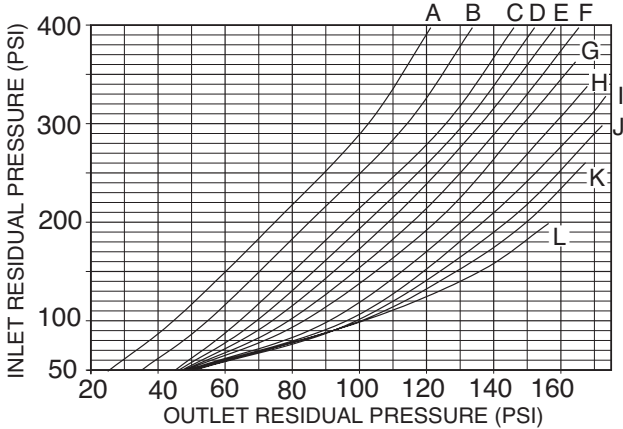
Note: Curve accuracy = ± 5 PSIG

# Residual Pressure Charts

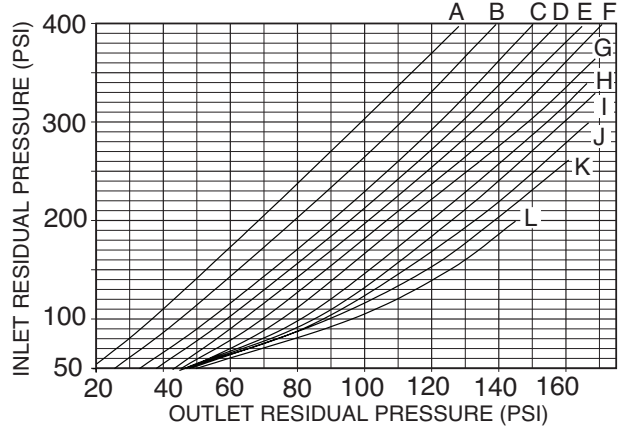
For Pressure-Tru™ 2 1/2" In-line Grooved Valves

Models: Z3000ILG & Z3004ILG

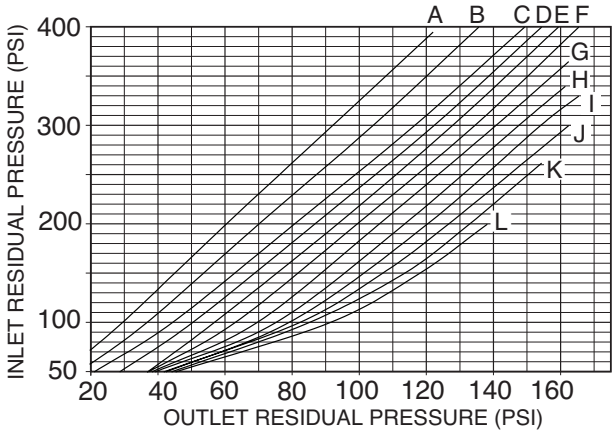
Z3000 SERIES INLINE BODY GROOVED  
50GPM



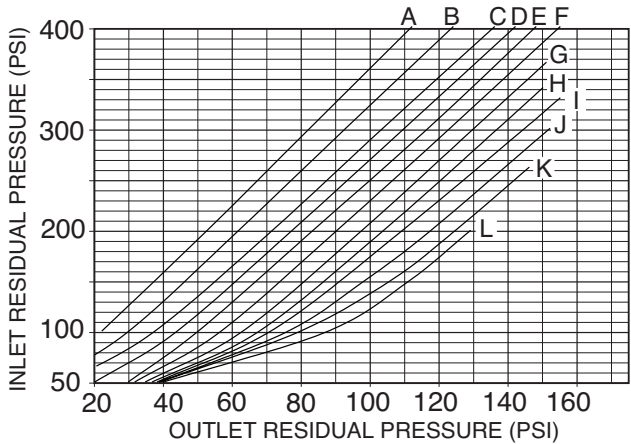
Z3000 SERIES INLINE BODY GROOVED  
100GPM



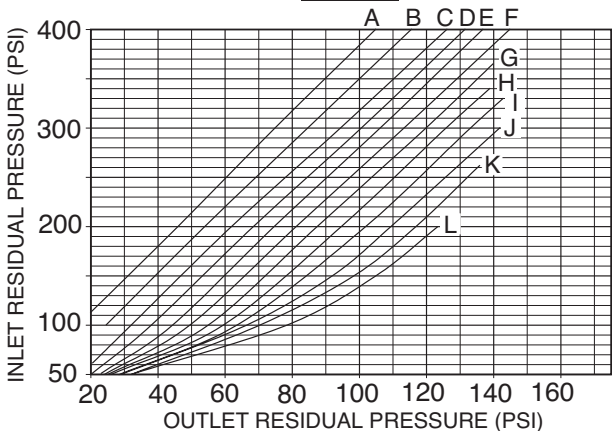
Z3000 SERIES INLINE BODY GROOVED  
150GPM



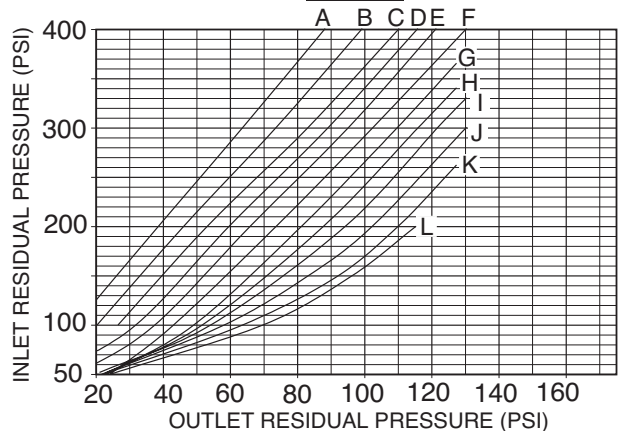
Z3000 SERIES INLINE BODY GROOVED  
200GPM



Z3000 SERIES INLINE BODY GROOVED  
250GPM



Z3000 SERIES INLINE BODY GROOVED  
300GPM



"A" DIMENSION SETTINGS (inches)

A	B	C	D	E	F	G	H	I	J	K	L
3/8	1/2	5/8	11/16	3/4	13/16	7/8	15/16	1	1-1/16	1-1/8	1-3/16

Note: Curve accuracy= ± 5 PSIG

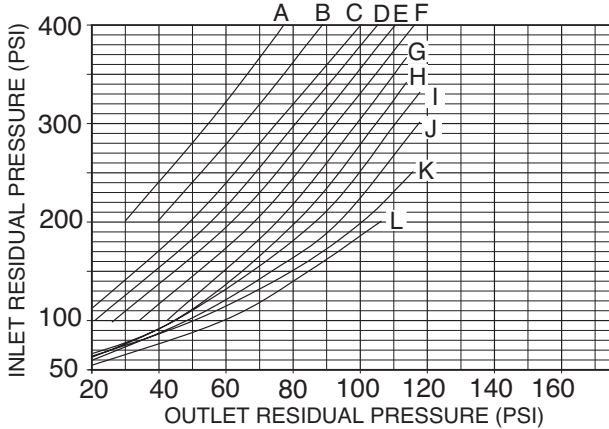
# Residual Pressure Charts

For Pressure-Tru™ 2 1/2" In-line Grooved Valves

Models: Z3000ILG & Z3004ILG

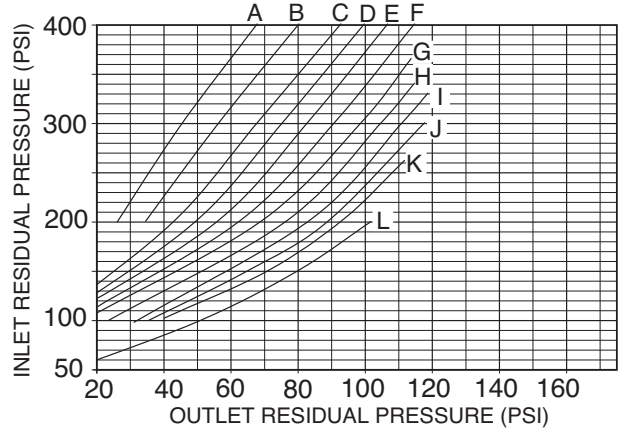
Z3000 SERIES INLINE BODY GROOVED

**350GPM**



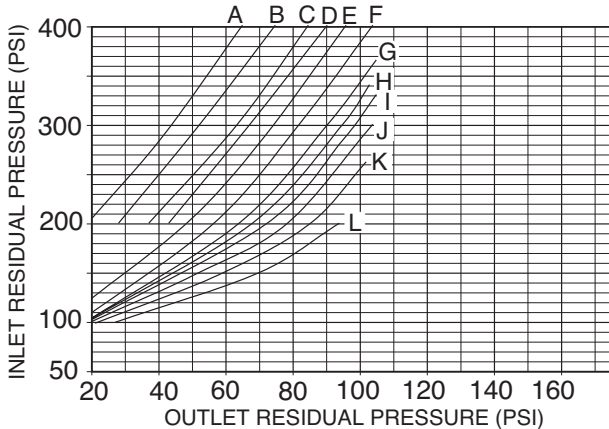
Z3000 SERIES INLINE BODY GROOVED

**400GPM**



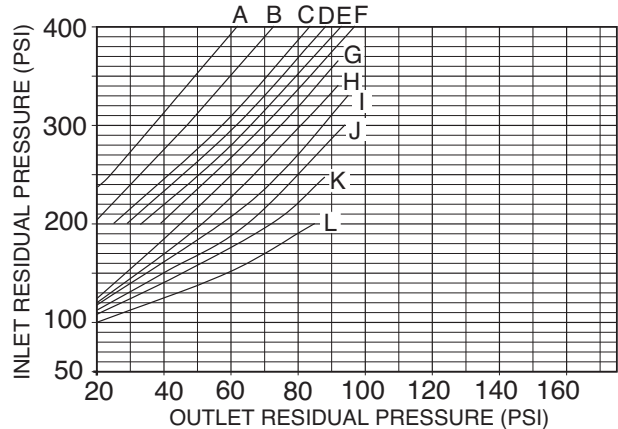
Z3000 SERIES INLINE BODY GROOVED

**450GPM**



Z3000 SERIES INLINE BODY GROOVED

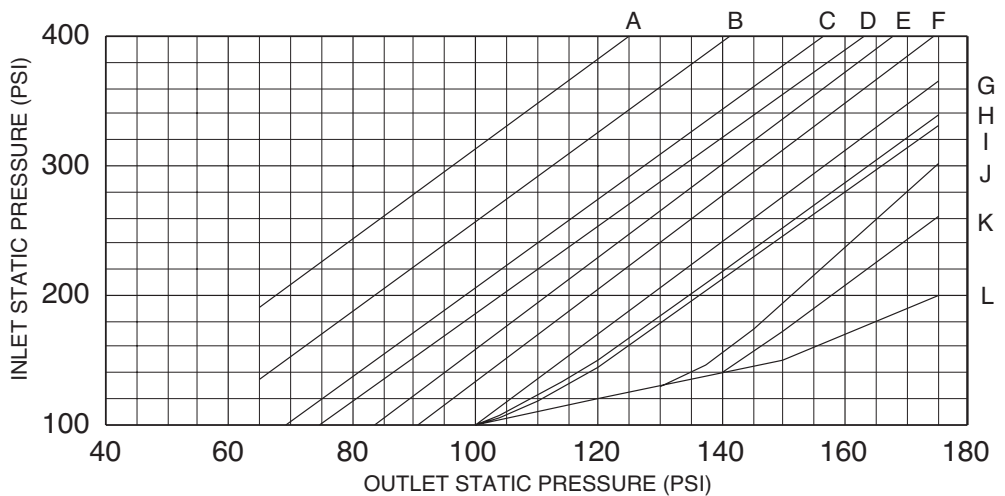
**500GPM**



## STATIC PRESSURE CHART

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

MODELS:  
Z3000, Z3004 & Z3005  
(All)



"A" DIMENSION SETTINGS (inches)

A	B	C	D	E	F	G	H	I	J	K	L
3/8	1/2	5/8	11/16	3/4	13/16	7/8	15/16	1	1-1/16	1-1/8	1-3/16

Note: Curve accuracy = ± 5 PSIG