

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.



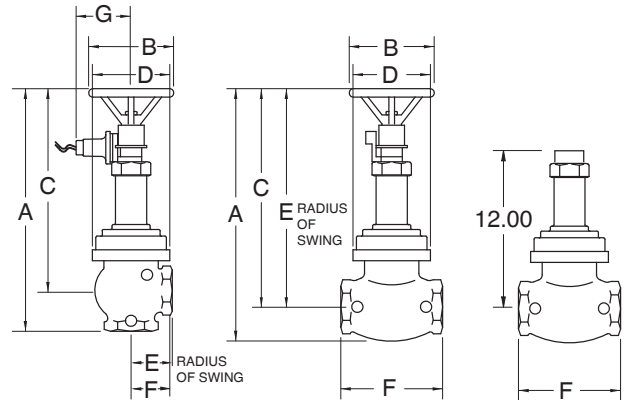
Z3004GMSA

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	20	508	19	483	6 1/4	159	15 5/8	397	14 3/4	375	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

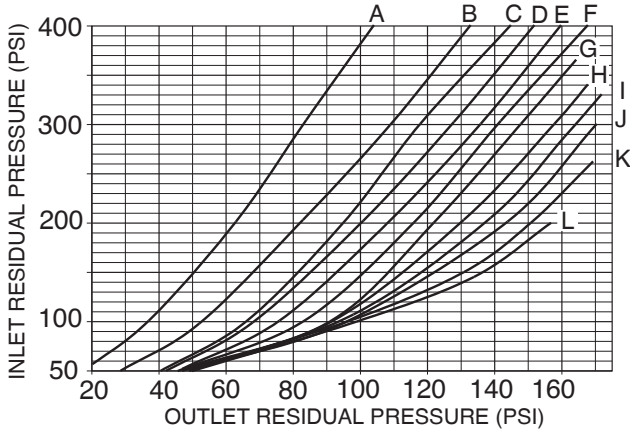
Residual Pressure Charts

For Pressure-Tru™ 2 1/2" Angle Valves

Models: Z3000, Z3004, Z3005, Z3000G & Z3004G

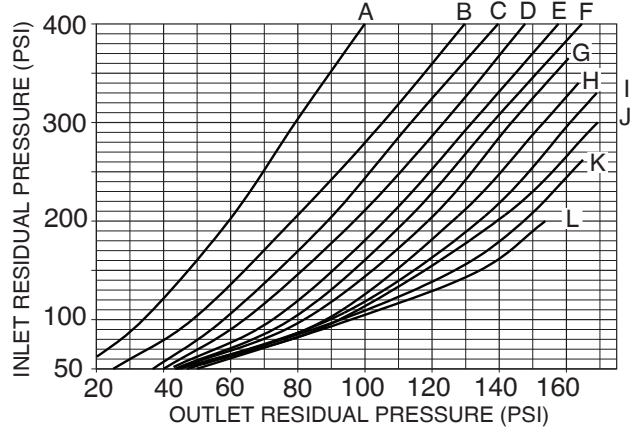
Z3000 SERIES ANGLE BODY

50GPM



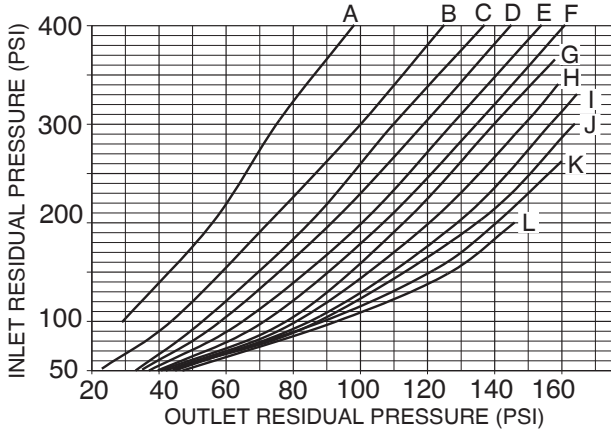
Z3000 SERIES ANGLE BODY

100GPM



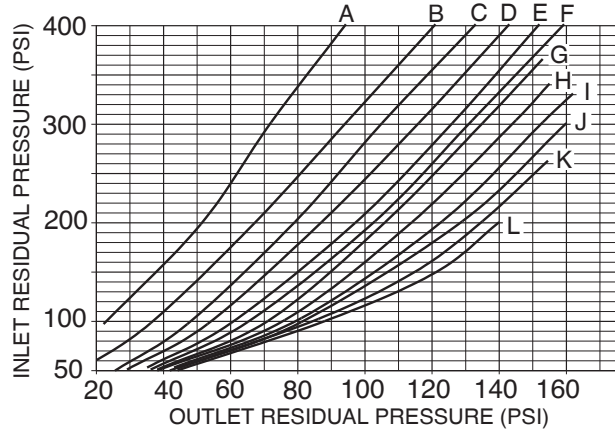
Z3000 SERIES ANGLE BODY

150GPM



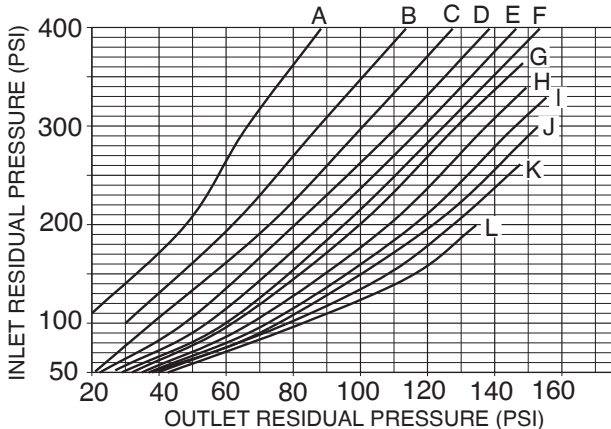
Z3000 SERIES ANGLE BODY

200GPM



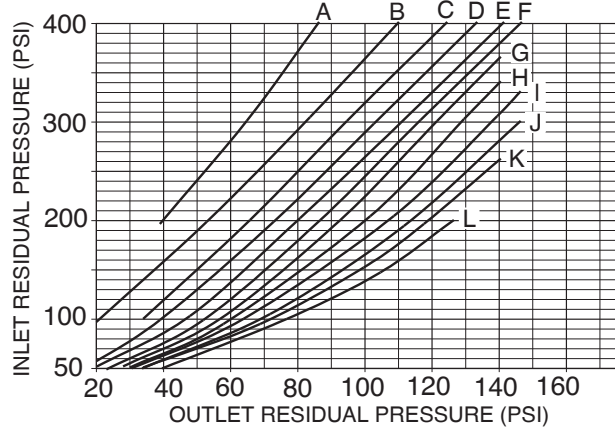
Z3000 SERIES ANGLE BODY

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

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In Canada | Zurn Industries Limited

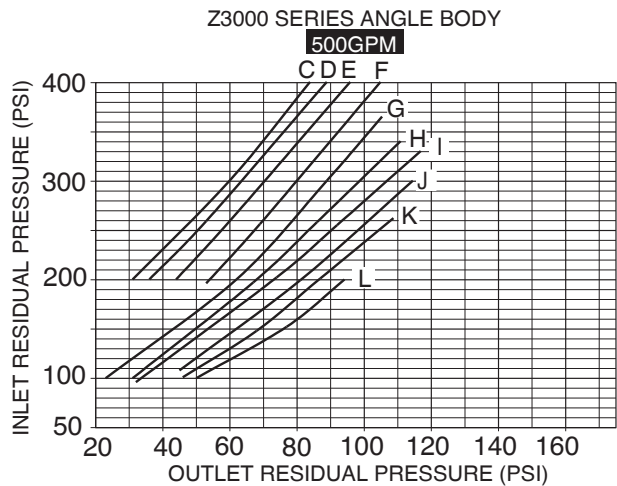
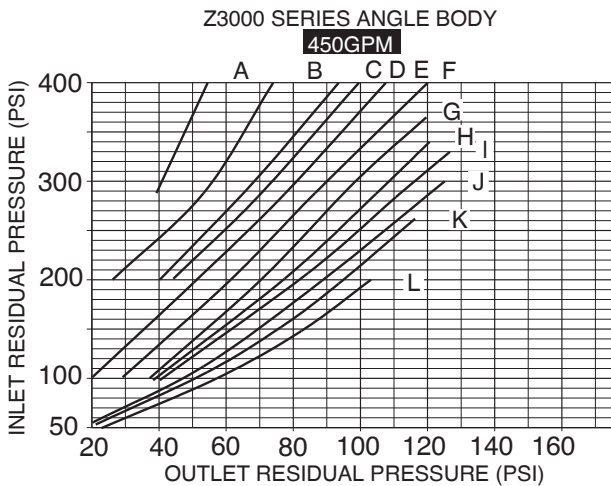
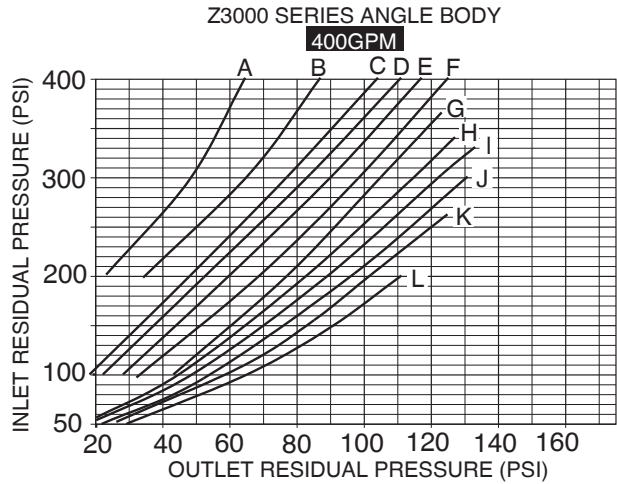
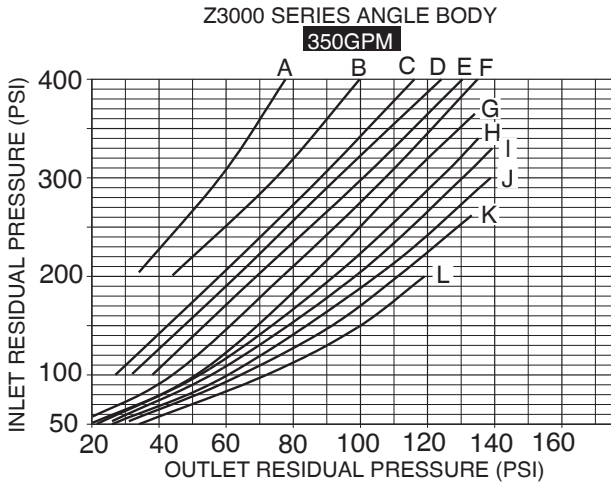
3544 Nashua Drive, Mississauga, Ontario L4V 1L2 Ph. 905-405-8272, Fax 905-405-1292

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Residual Pressure Charts

For Pressure-Tru™ 2 1/2" Angle Valves

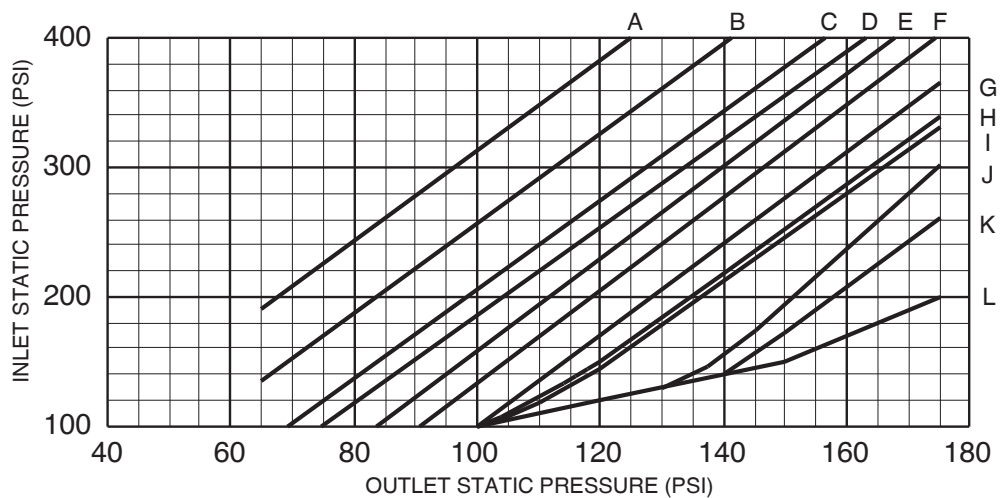
Models: Z3000, Z3004, Z3005, Z3000G & Z3004G



STATIC PRESSURE CHART

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

MODELS:
Z3000, Z3004 & Z3005
(All)



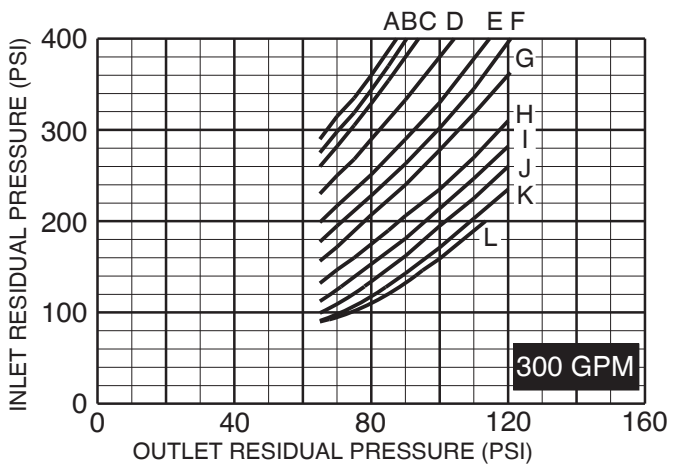
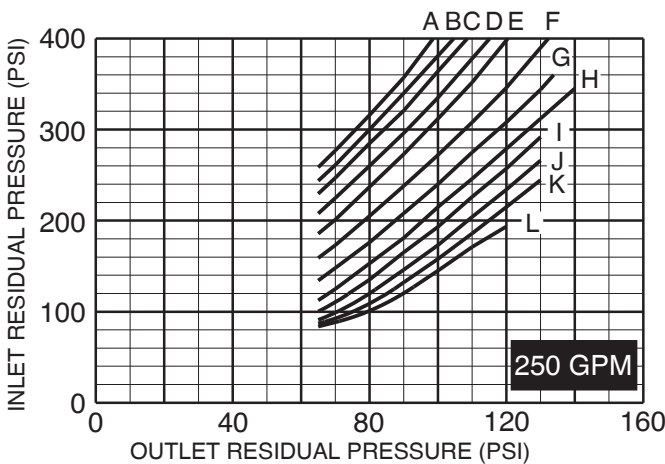
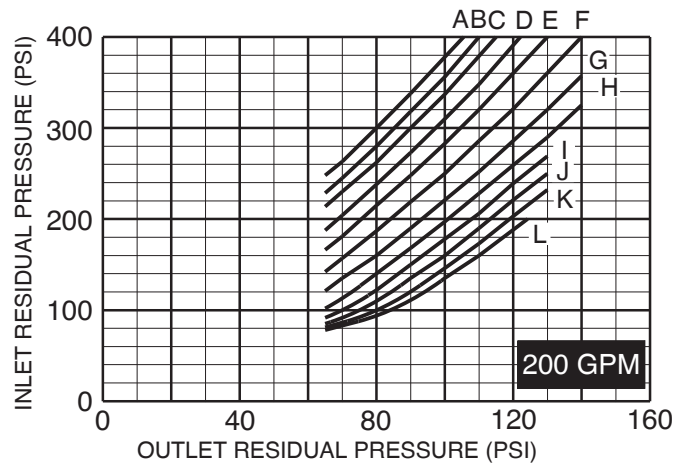
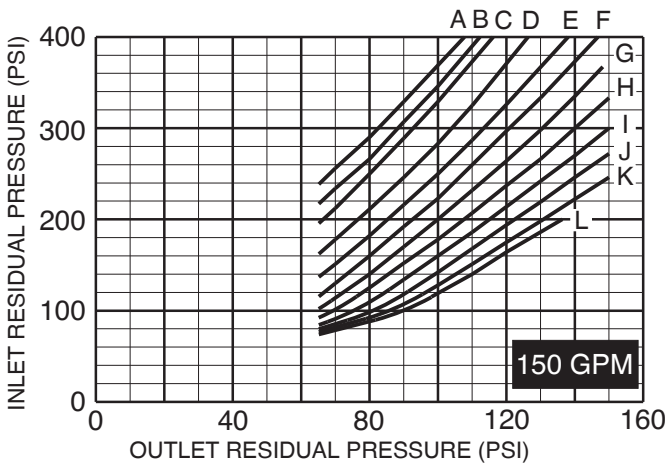
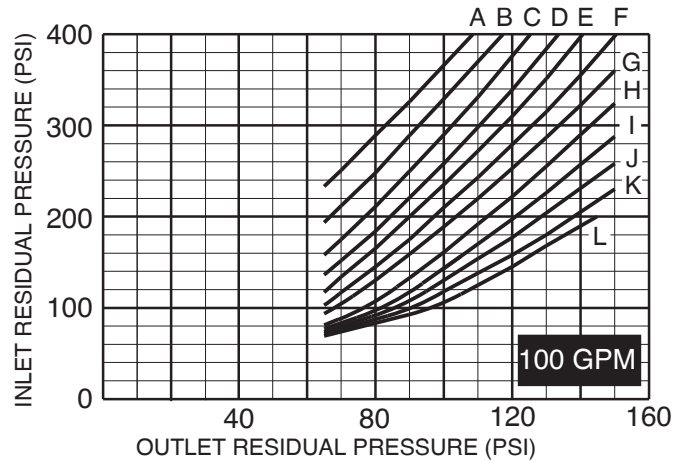
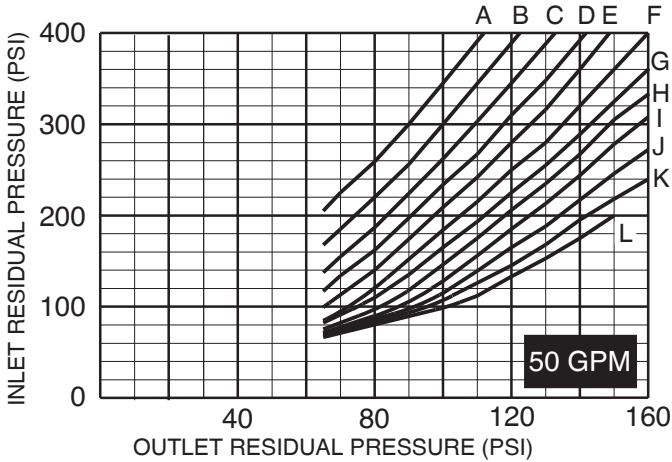
"A" DIMENSION SETTINGS (inches)											
A	B	C	D	E	F	G	H	I	J	K	L
3/8	1/2	5/8	11/16	3/4	13/16	7/8	15/16	1	1-1/16	1-1/8	1-3/16

Note: Curve accuracy = ± 5 PSIG

Residual Pressure Charts

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

Models: Z3000IL, Z3004IL & Z3005IL

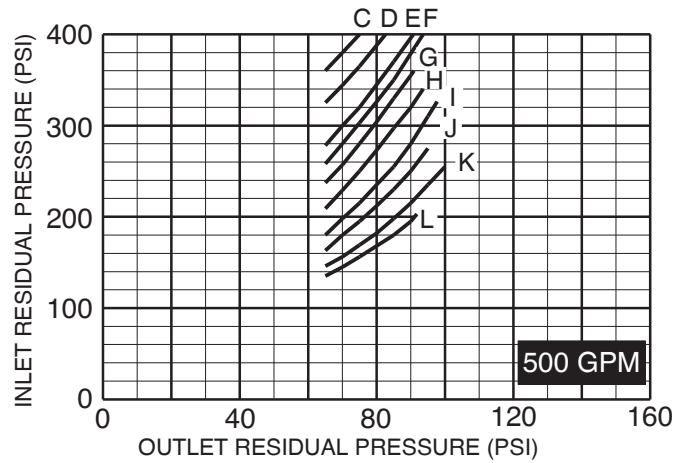
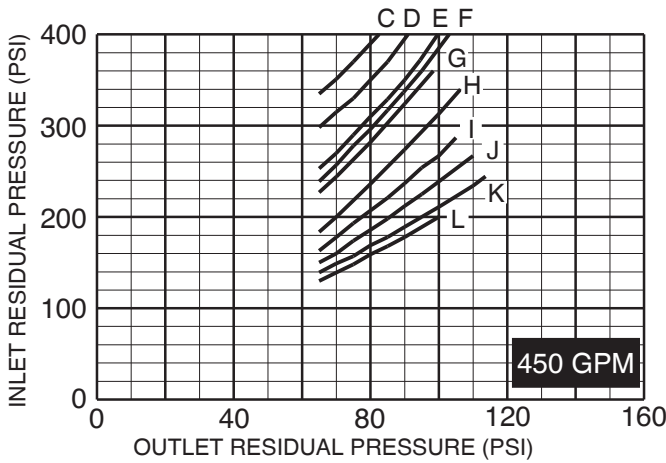
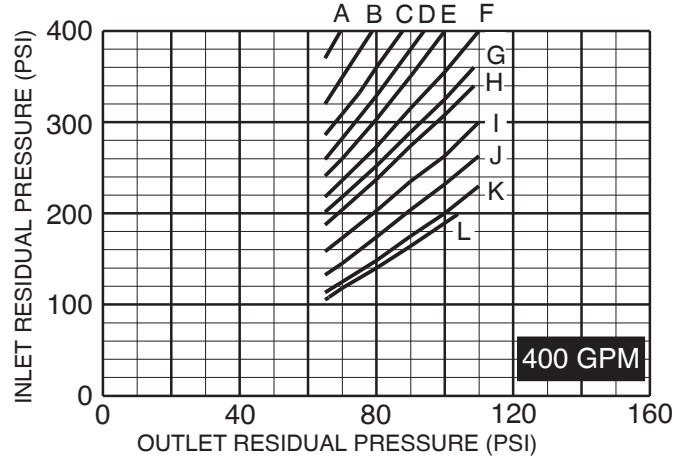
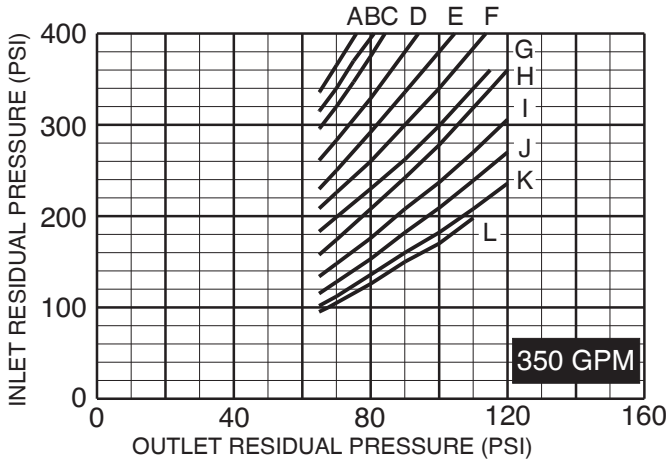


"A" DIMENSION SETTINGS (inches)											
A	B	C	D	E	F	G	H	I	J	K	L
3/8	1/2	5/8	11/16	3/4	13/16	7/8	15/16	1	1-1/16	1-1/8	1-3/16
Note: Curve accuracy= ± 5 PSIG											

Residual Pressure Charts

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

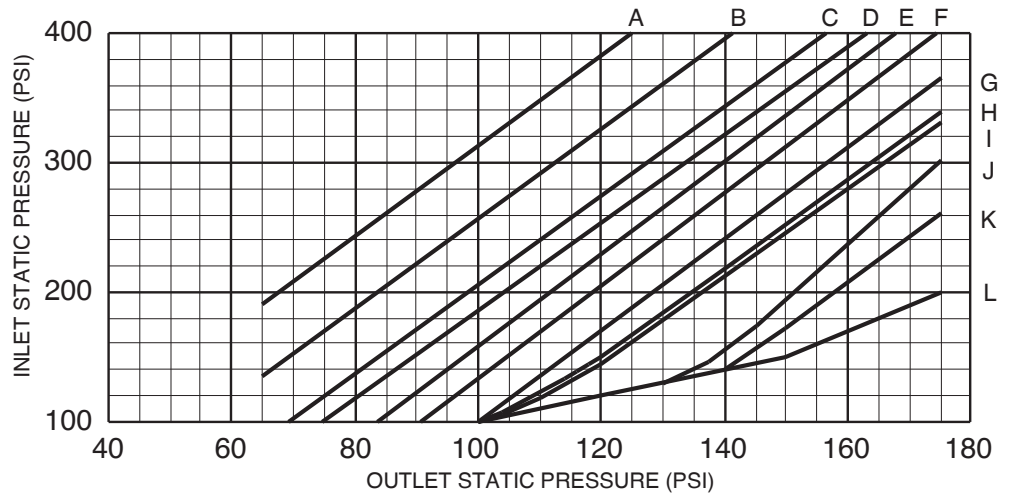
Models: Z3000IL, Z3004IL & Z3005IL



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

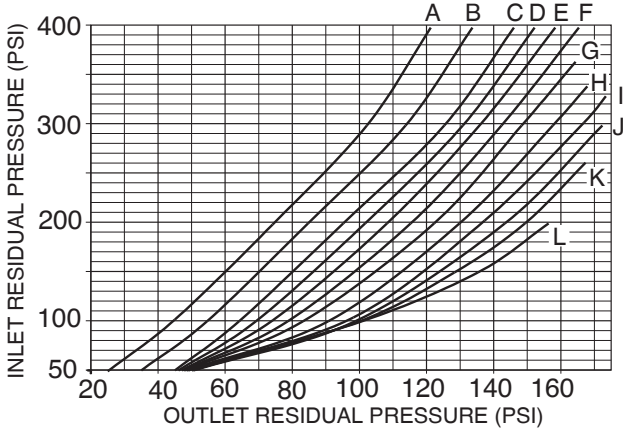
Note: Curve accuracy = ± 5 PSIG

Residual Pressure Charts

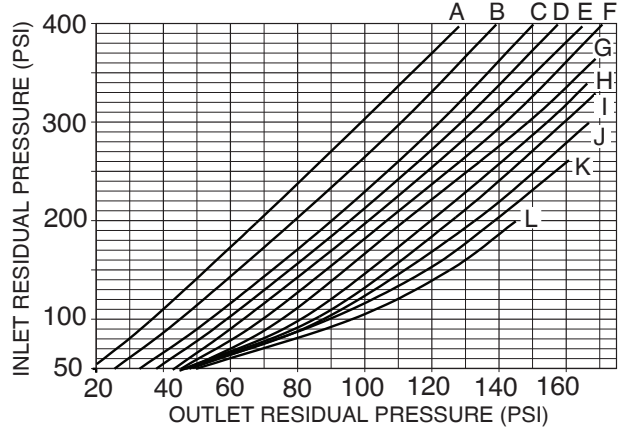
For Pressure-Tru™ 2 1/2" In-line Grooved Valves

Models: Z3000ILG & Z3004ILG

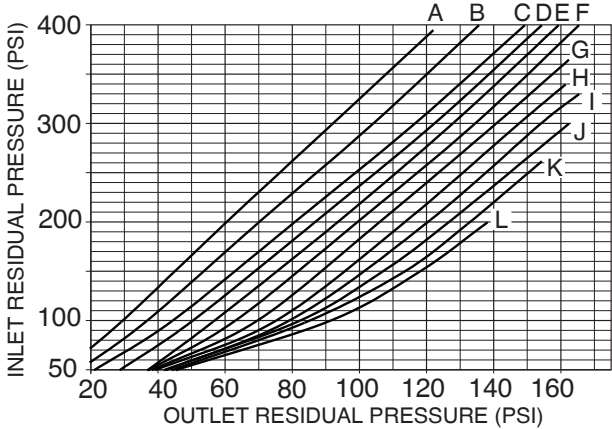
Z3000 SERIES INLINE BODY GROOVED
50GPM



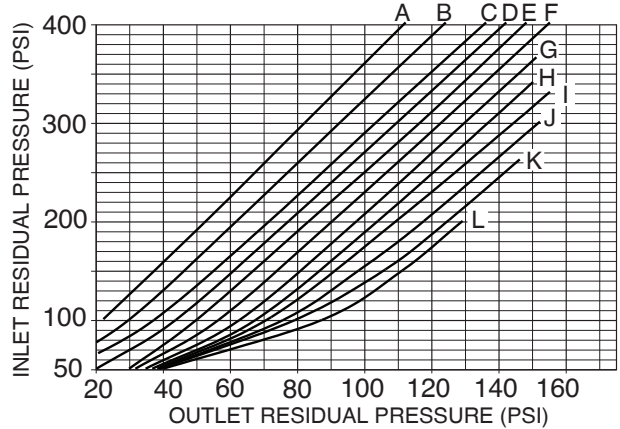
Z3000 SERIES INLINE BODY GROOVED
100GPM



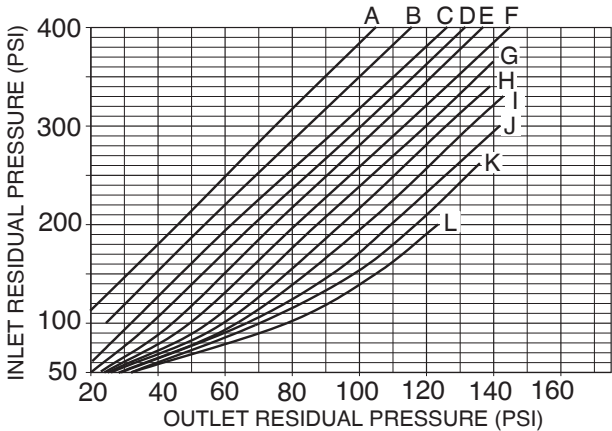
Z3000 SERIES INLINE BODY GROOVED
150GPM



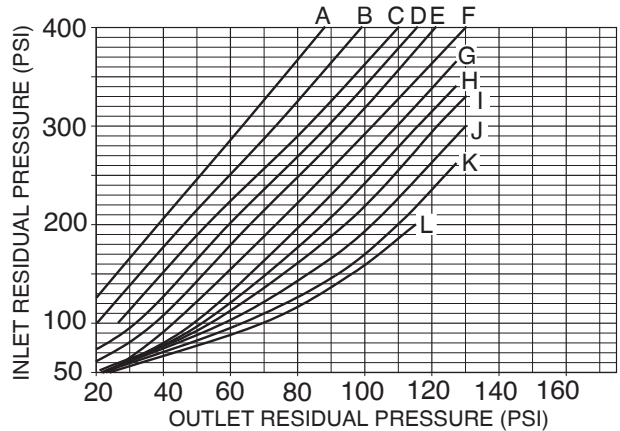
Z3000 SERIES INLINE BODY GROOVED
200GPM



Z3000 SERIES INLINE BODY GROOVED
250GPM



Z3000 SERIES INLINE BODY GROOVED
300GPM



"A" DIMENSION SETTINGS (inches)

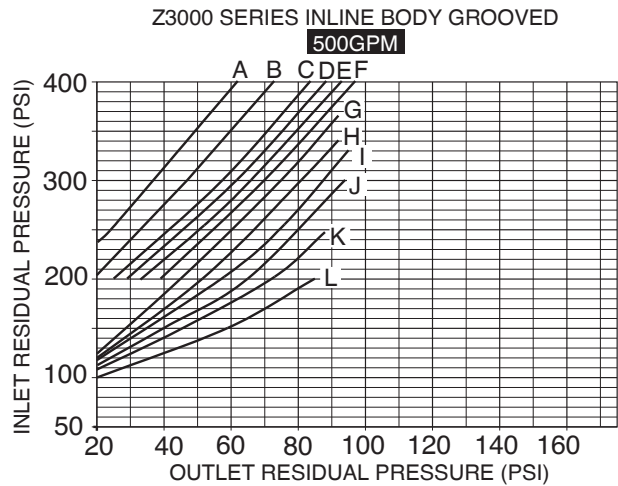
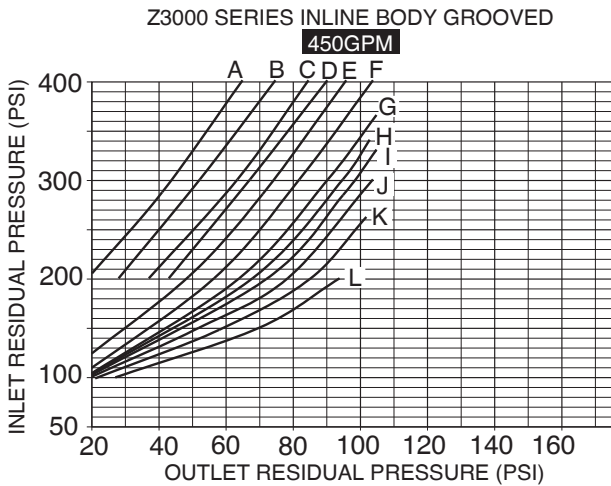
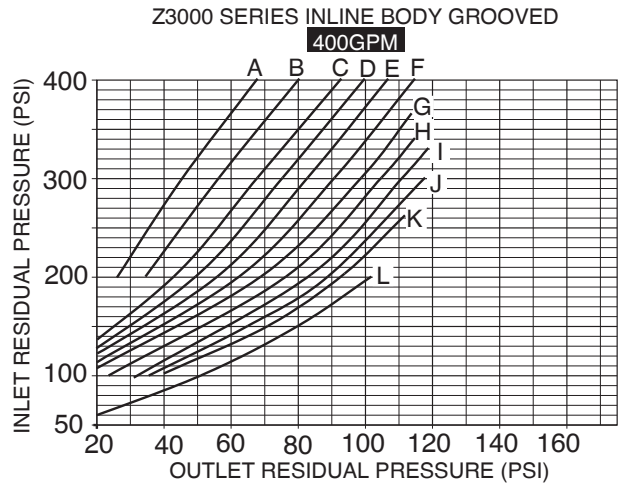
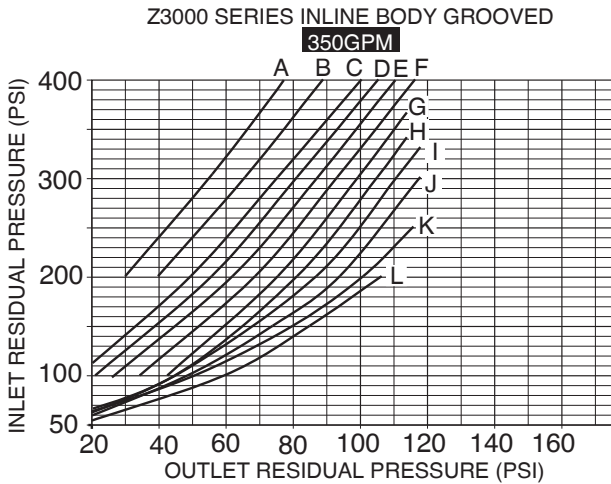
A	B	C	D	E	F	G	H	I	J	K	L
3/8	1/2	5/8	11/16	3/4	13/16	7/8	15/16	1	1-1/16	1-1/8	1-3/16

Note: Curve accuracy = ± 5 PSIG

Residual Pressure Charts

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

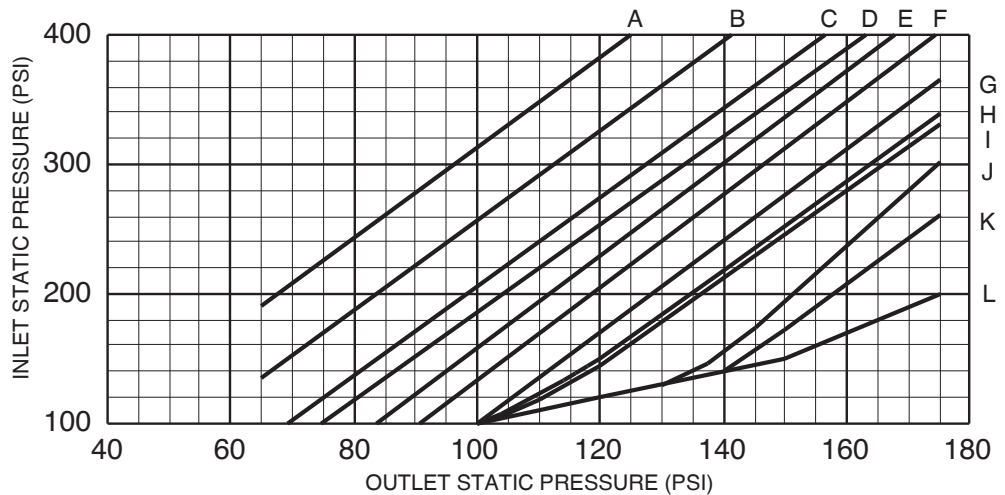
Models: Z3000ILG & Z3004ILG



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

Z3000 Series Fire Valve Part Number Assistant



Check off the boxes that match the choices you want. If the choice is blank, this is standard and you add nothing to the part number. If there are letters after the check box, then you add those letters to the part number in that order from left to right.

The flow curves **Must** be used by the system designer to select the correct bonnet setting.

Example
2-1/2" Z3004 Sprinkler Floor Control Valve (Adjustable)

<input type="checkbox"/> Angle Body	<input type="checkbox"/> Threaded Ends	<input checked="" type="checkbox"/> SS Supervisory Switch	
<input type="checkbox"/> Globe Body	<input type="checkbox"/> Grooved Ends	Monitor Switch No Handwheel	
<input checked="" type="checkbox"/> IL	<input checked="" type="checkbox"/> G	Adapter Bracket Capped Bonnet	
(choose one)	(choose one)	<input type="checkbox"/> MSA <input type="checkbox"/> CAP	<input type="checkbox"/> CH
		(choose one or none)	(optional)

In this example the part number would be Z3004ILGSS

2-1/2" Z3000 Standpipe Hose Valve (Adjustable)

<input type="checkbox"/> Angle Body	<input type="checkbox"/> Threaded Inlet	<input type="checkbox"/> 2-1/2" National Hose thread	
<input type="checkbox"/> Globe Body	<input type="checkbox"/> Grooved Inlet	<input type="checkbox"/> 3" Hose thread	
<input type="checkbox"/> IL	<input type="checkbox"/> G	Special Thread	
(choose one)	(choose one)	<input type="checkbox"/> SF	<input type="checkbox"/> C/C
		Specify special thread	(optional)
		<input type="checkbox"/> ST _____	<input type="checkbox"/> CH
		(choose one)	(optional)

2-1/2" Z3005 Hose Rack Valve (Adjustable)

<input type="checkbox"/> Angle Body			
<input type="checkbox"/> Globe Body		<input type="checkbox"/> NPT Threaded Outlet	
<input type="checkbox"/> IL		<input type="checkbox"/>	<input type="checkbox"/> CH
(choose one)			(optional)

2-1/2" Z3004 Sprinkler Floor Control Valve (Adjustable)

<input type="checkbox"/> Angle Body	<input type="checkbox"/> Threaded Ends	<input type="checkbox"/> SS Supervisory Switch	
<input type="checkbox"/> Globe Body	<input type="checkbox"/> Grooved Ends	Monitor Switch No Handwheel	
<input type="checkbox"/> IL	<input type="checkbox"/> G	Adapter Bracket Capped Bonnet	
(choose one)	(choose one)	<input type="checkbox"/> MSA <input type="checkbox"/> CAP	<input type="checkbox"/> CH
		(choose one or none)	(optional)

Specify if the body should be tapped and plugged for gauges.

Qty	Part number	Notes