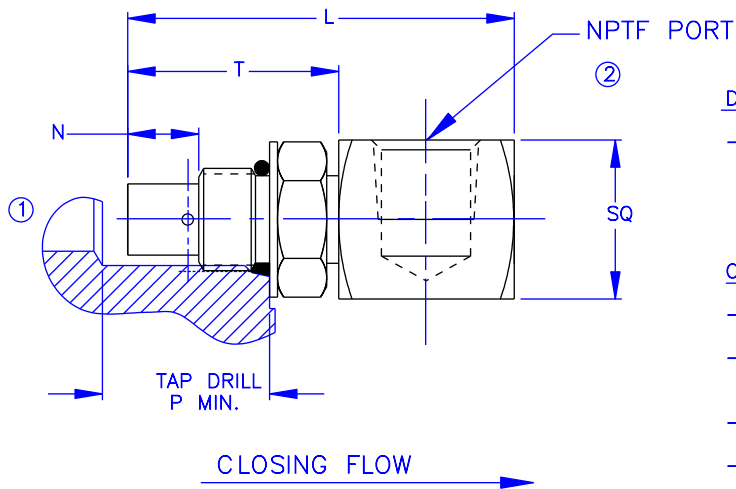




FLOW LIMITER IN-LINE SWIVEL

8400 SERIES

90° ELBOW
NPTF OUTLET



DESCRIPTION

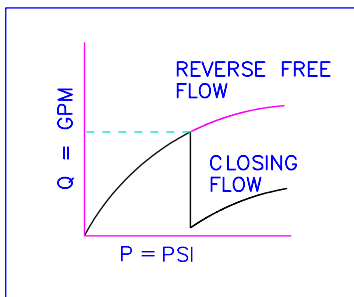
- AN IN-LINE 90° ELBOW SWIVEL FLOW LIMITER WITH AN NPTF OUTLET PORT THAT PROVIDES PARTIAL-LINE SHUT-OFF IN THE EVENT OF A LINE FAILURE. ALLOWS RESTRICTED FLOW AFTER CLOSING.

OPERATION

- A FLOW BELOW THE SPECIFIED CLOSING FLOW IS ALLOWED FROM "1" TO "2".
- FLOW ABOVE THE SPECIFIED CLOSING FLOW FROM "1" TO "2" IS ASSUMED TO BE A LINE FAILURE AND IS LIMITED.
- BLEED RATE AFTER CLOSING IS 2.0 - 3.0 GPM AT 3000 PSI.
- FLOW FROM "2" TO "1" PASSES THRU THE CONTROLLING ORIFICE BUT IS UNCONTROLLED.
- CLOSING FLOW TOLERANCE = +15% - 0%.

FEATURES

- SWIVEL DESIGN FOR EASY ALIGNMENT.
- 90° ELBOW FOR LOW PROFILE APPLICATIONS.
- FAIL SAFE EMBEDDED LIMITER DESIGN.
- STEEL BODY & COMPONENTS.
- RAPID RESPONSE.
- POSITIVE CLOSE.
- ALTERNATE BLEED RATES AVAILABLE.



- SPECIFICATIONS -	
HYDRAULIC SYMBOL	
OPERATING PRESSURE	3500 PSI
TEMPERATURE RANGE	250°F TO -40°F
REOPENING DIFFERENTIAL	50 PSI
ALL DIMENSIONS IN INCHES	

- ORDERING INFORMATION -	
ASSEMBLY NUMBER	84XX-XX
SERIES NUMBER	
OUTLET PORT SIZE	
CLOSING FLOW (GPM)	

MODEL	THREAD ②	CAVITY THREAD *	P	RATED FLOW	L	T	N	SQ
8402	1/4-18 NPTF	9/16-18	1.000	0.2 - 5 GPM	2.125	1.160	0.390	0.875
8403	3/8-18 NPTF	3/4-16	1.250	0.5 - 15 GPM	2.555	1.430	0.550	1.000
8404	1/2-14 NPTF	7/8-14	1.688	1.0 - 25 GPM	3.230	1.870	0.850	1.125
8406	3/4-14 NPTF	1 1/16-12	1.980	2.0 - 40.0 GPM	3.625	2.065	0.905	1.375

* FUSE NOSE REQUIRES A DEEPER TAP DRILL DEPTH - SEE DIM. P



Vonberg Valve, inc.

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