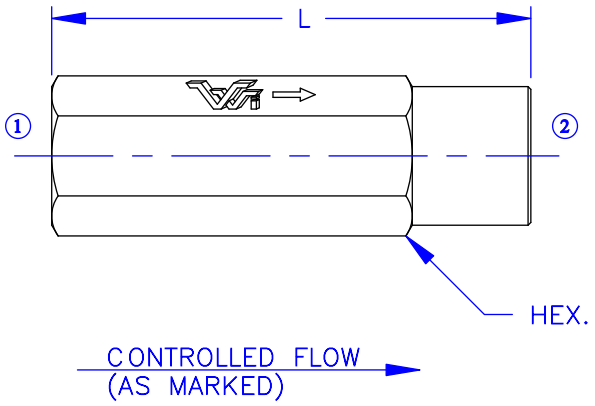
FLOW REGULATOR

IN-LINE

1400 SERIES

FEMALE O-RING PORTS



DESCRIPTION

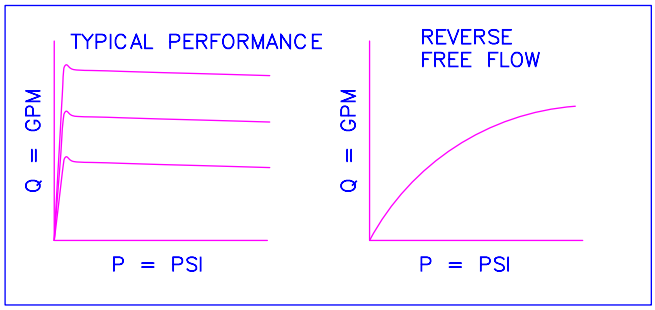
- AN IN-LINE, PRESSURE-COMPENSATED, NONADJUSTABLE FLOW REGULATOR WITH FEMALE O-RING PORTS, INTENDED FOR FIXED DISPLACEMENT HYDRAULIC CIRCUIT APPLICATIONS.

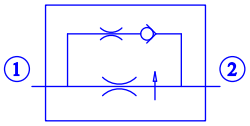
OPERATION

- IN THE CONTROLLED DIRECTION THIS REGULATOR WILL MAINTAIN A CONSTANT FLOW RATE THROUGHOUT A SPECIFIED PRESSURE RANGE
- REVERSE FLOW PASSES THROUGH THE CONTROLLING ORIFICE AND IS UNCONTROLLED PRODUCING A PRESSURE DIFFERENTIAL OF 120 PSI MAX. AT 150% OF CONTROLLED FLOW.

FEATURES

- S.I.D. SURGES INTERNALLY DAMPENED FEATURE IS OPTIONAL FOR LOAD LOWERING APPLICATIONS.
- ALUMINUM BODY, STEEL INTERNALS.
- HYDRAULIC FLUIDS - GENERAL.
- NO INTERNAL PACKINGS.



- SPECIFICATIONS -	
HYDRAULIC SYMBOL	
PRESSURE RANGE	50 PSI TO 3500 PSI
TEMPERATURE RANGE	250°F TO -40°F
FLOW TOLERANCE	±10%
ALL DIMENSIONS IN INCHES	

- ORDERING INFORMATION -

ASSEMBLY NUMBER 14XX-X-XX

SERIES NUMBER
UNDAMPENED - BLANK
DAMPENED (S.I.D.) - 1
REGULATED FLOW RATE (GPM)

MODEL	PORT 1 / 2	THREAD	FLOW RANGE	L	HEX.
1406	#6 SAE	9/16-18	0.25 - 8.0 GPM	3.00	0.75
1408	#8 SAE	3/4-16	0.5 - 15.0 GPM	4.00	1.00
1410	#10 SAE	7/8-14	0.5 - 15.0 GPM	4.00	1.125
1412	#12 SAE	1 1/16-12	1.0 - 30.0 GPM	4.75	1.375
1416	#16 SAE	1 5/16-12	2.0 - 50.0 GPM	5.50	1.625
1424	#24 SAE	1 7/8-12	5.0 - 75.0 GPM	5.50	2.250

Vonberg Valve, inc.
HYDRAULIC VALVE SPECIALISTS
3800 INDUSTRIAL AVE.
ROLLING MEADOWS, IL 60008-1085
PH: (847) 259-3800 FAX: (847) 259-3997