



This valve is a fully adjustable, bypass/restrictive, priority flow control valve. The valve takes an input flow at port 1 and uses it to satisfy the priority flow at port 3. If the input flow exceeds the priority requirement, the excess is bypassed out port 2. The valve pressure compensates the priority flow for precise flow regulation for applications where there may be wide pressure fluctuations. Port 2 may also be completely blocked so that the valve can be used as a 2-way, pressure compensated flow control from 1 to 3.

TECHNICAL DATA NOTE: DATA MAY VARY BY CONFIGURATION. SEE CONFIGURATION SECTION.

Maximum Operating Pressure	5000 psi
Adjustment - No. of CCW Turns from Fully Closed to Fully Open	5
Rated Maximum Priority	17.6 gpm
Typical Valve Leakage at 110 SUS (24 cSt) from port 1 to port 3 at 5000 psi (350 bar)	75 mL/min.
Viscosity Range	35 - 2000 SUS
Response Time - Typical	50 ms

CONFIGURATION OPTIONS

Model Code Example: FRELLAN

CONTROL

(L) ADJUSTMENT RANGE

(A) SEAL MATERIAL

(N)

L Standard Screw Adjustment

A .02 - 18 gpm

N Buna-N

H Calibrated Handknob with Detent Lock

V Viton

K Handknob

Y Tri-Grip Handknob