

Vickers®

**SystemStak™**



## SystemStak™ Valves

ISO 4401 -05 size, 315 bar (4500 psi) and 120 l/min (32 USgpm) maximum ratings

Pressure relief and reducing, sequence, counterbalance, and flow control functions



**VICKERS**

Revised 11/97

# Operating Data

## Basic Characteristics

Maximum flow: .....	120 l/min (32 USgpm)
Maximum operating pressure: .....	315 bar (4500 psi)
Leakage @ 50° C (120° F) and 35 bar (500 psi) .....	0.3 ml/min.
Operating temperature: .....	20° to 50° C (70° to 120° F)
Weight: .....	2,9 kg (6.4 lbs.)

## Pressure Drop

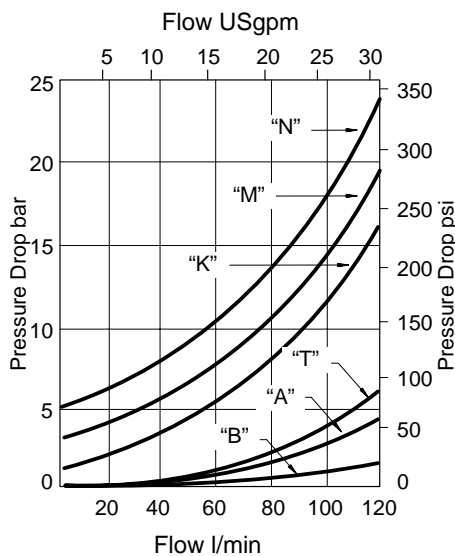
These curves show pressure drop through each possible flow path in the valve. The total insertion loss for the

valve must be calculated by summing the losses through the four applicable flow paths.

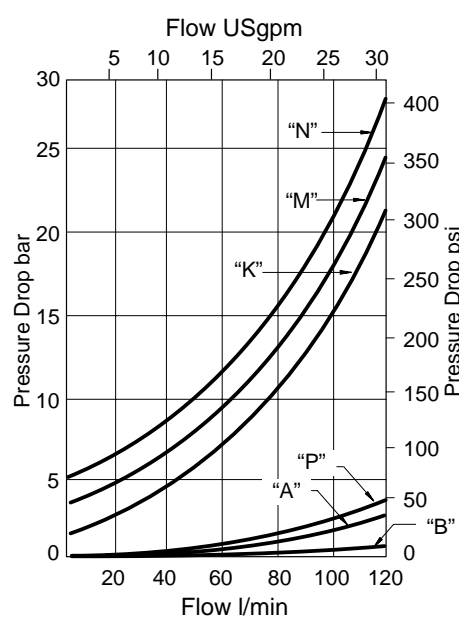
Model Type	Curve Reference for Flow Path				Graph Number
	P	T	A	B	
DGMDC-5-Y-PK-30 DGMDC-5-Y-PM-30 DGMDC-5-Y-PN-30	K M N	T	A	B	1
DGMDC-5-X-TK-30 DGMDC-5-X-TM-30 DGMDC-5-X-TN-30	P	K M N	A	B	
DGMDC-5-Y-AK-30 DGMDC-5-Y-AM-30 DGMDC-5-Y-AN-30	P	T	K M N	●1 ■2	
DGMDC-5-Y-BK-30 DGMDC-5-Y-BM-30 DGMDC-5-Y-BN-30	P	T	●1 ■2	K M N	
DGMDC-5-Y-A*-B*-30	P	T	▲	▲	

- Flow to actuator through cylinder port without check
- Flow from actuator through cylinder port without check
- ▲ Use K, M, or N curve from graph 3, as applicable

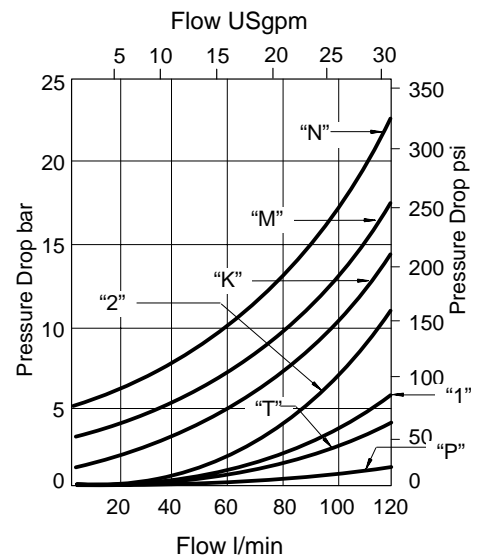
Graph 1



Graph 2



Graph 3

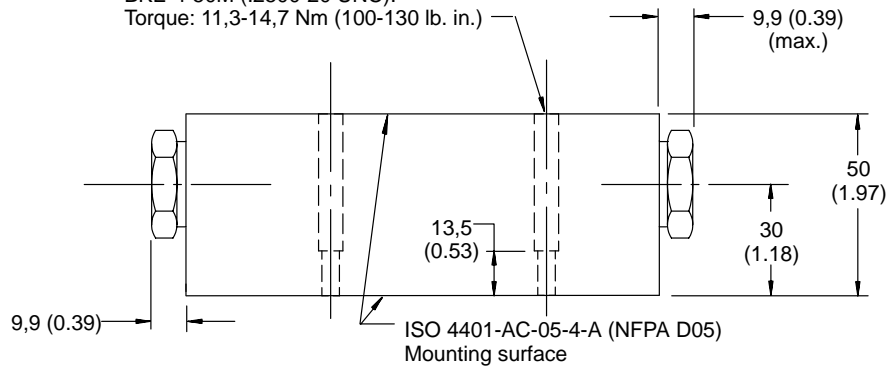


# Installation Dimensions

## DGMDC-5-Y-A\*-B\*-30 Dual Direct Check Valve

mm (inches)

4 mounting holes  $\varnothing$  6,9 (0.27) through  $\varnothing$  9,50 (0.37) counterbore 36,5 (1.44) deep for bolt extenders (order separately) BKE-6M-50M (M6 metric) or BKE-4-50M (.2500-20 UNC). Torque: 11,3-14,7 Nm (100-130 lb. in.)



See page 38 for interface dimensions.

## DGMDC-5-Y-P\*-30 Single Direct Check Valve

## DGMDC-5-X-T\*-30 Single Direct Check Valve

