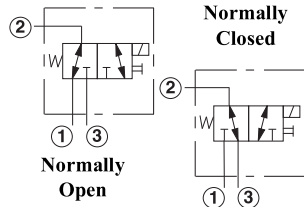
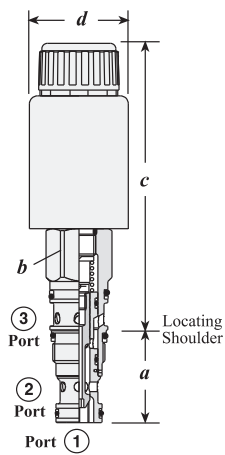


Solenoid Operated Cartridge Valves

2-POSITION, 3-WAY SPOOL DIRECTIONAL VALVE

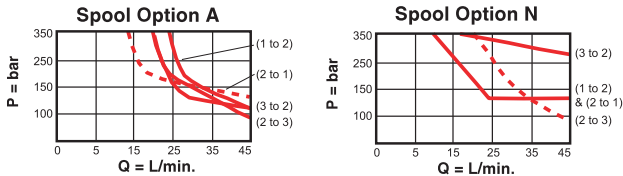


Nominal Capacity	Typical Cartridge Model Code	Cavity	Cartridge Dimensions				Installation Torque (Nm)
			a	b	c	d	
40 L/min.	DMDA - MNN	T - 11A	34,9	22,4	109	38	40/50

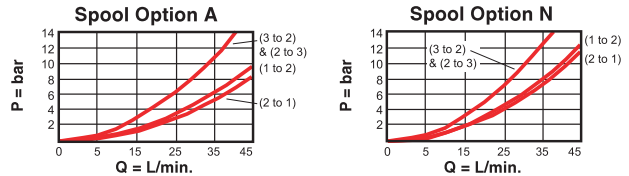
Performance Curves

DMDA-MNN

Valve Performance Limits at 10% Undervoltage and Stabilized Coil Temperature



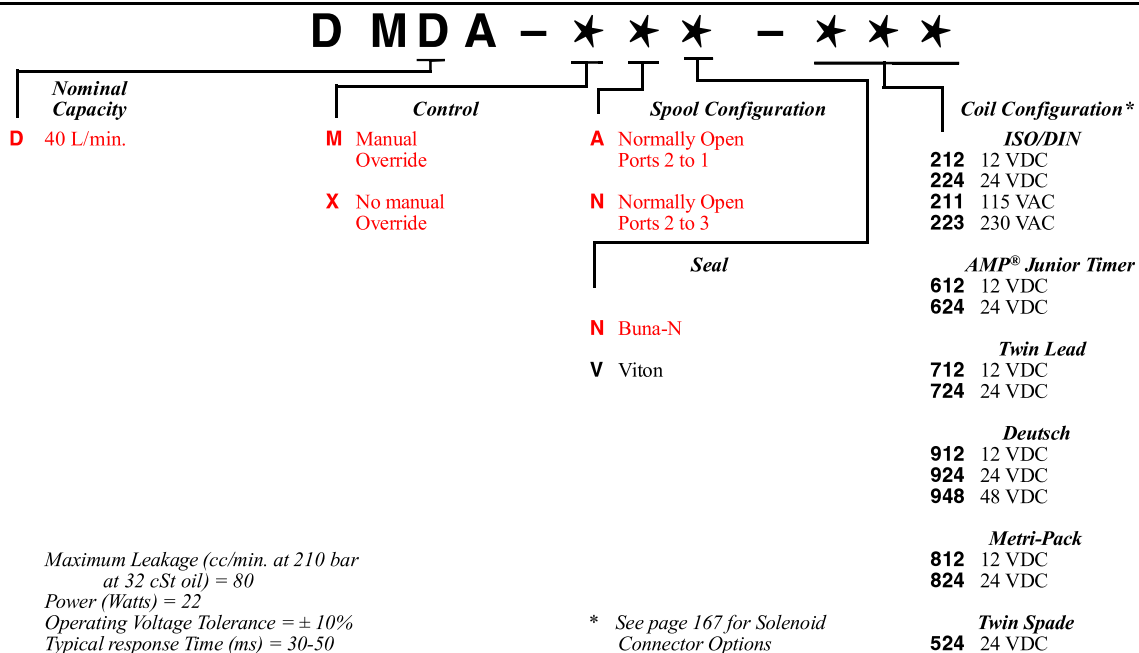
Typical Performance Pressure Differential vs. Flow



- Maximum operating pressure = 350 bar**
- Maximum Leakage at 32 cSt = 81,9 cc/min. @ 210 bar
- Switching frequency = 15000 cycles/hr
- Proper installation of solenoid valves requires an extra deep socket to clear the solenoid tube. Sockets are available from Snap On tools (P/N SIML280) or Sun Hydraulics (P/N 998-100-006). See www.sunhydraulics.com for details.

**For valves produced before January 1, 2004 (date code A041), the maximum operating pressure is 350 bar at ports 2 and 3 and 250 bar at port 1.
NOTE: While the valve will operate reliably with pressures up to 350 bar at Port 1, solenoid tube fatigue life is reduced.

OPTION ORDERING INFORMATION Model Codes printed in Red are Preferred Versions and most readily available



Maximum Leakage (cc/min. at 210 bar at 32 cSt oil) = 80
 Power (Watts) = 22
 Operating Voltage Tolerance = ± 10%
 Typical response Time (ms) = 30-50

* See page 167 for Solenoid Connector Options

Visit www.sunhydraulics.com for detailed and complete technical information on our full line of products.