

\* An additional 2.00 (50,8) clearance needed for coil installation and removal

\* Coil code is appended to the cartridge base model code. See CONFIGURATION section.

in (mm)

This solenoid-operated 3-way, 2-position cartridge is a direct-acting, balanced spool directional valve.

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

Cavity	SC-08-03
Series	0C
Capacity	4 gpm
Maximum Operating Pressure	3600 psi
Typical Valve Leakage at 110 SUS (24cSt)	4.9 in <sup>3</sup> /min.@3600 psi
Response Time - Typical	50 ms
Solenoid Tube Diameter	.51 in.
Coil Nut Torque	3.5 - 3.9 lbf ft
Valve Hex Size	24 mm
Valve Installation Torque	21 - 23 lbf ft
Model Weight	.40 lb
Seal kit - Cartridge	Buna: 99C-083-007
Seal kit - Cartridge	Viton: 99C-083-006

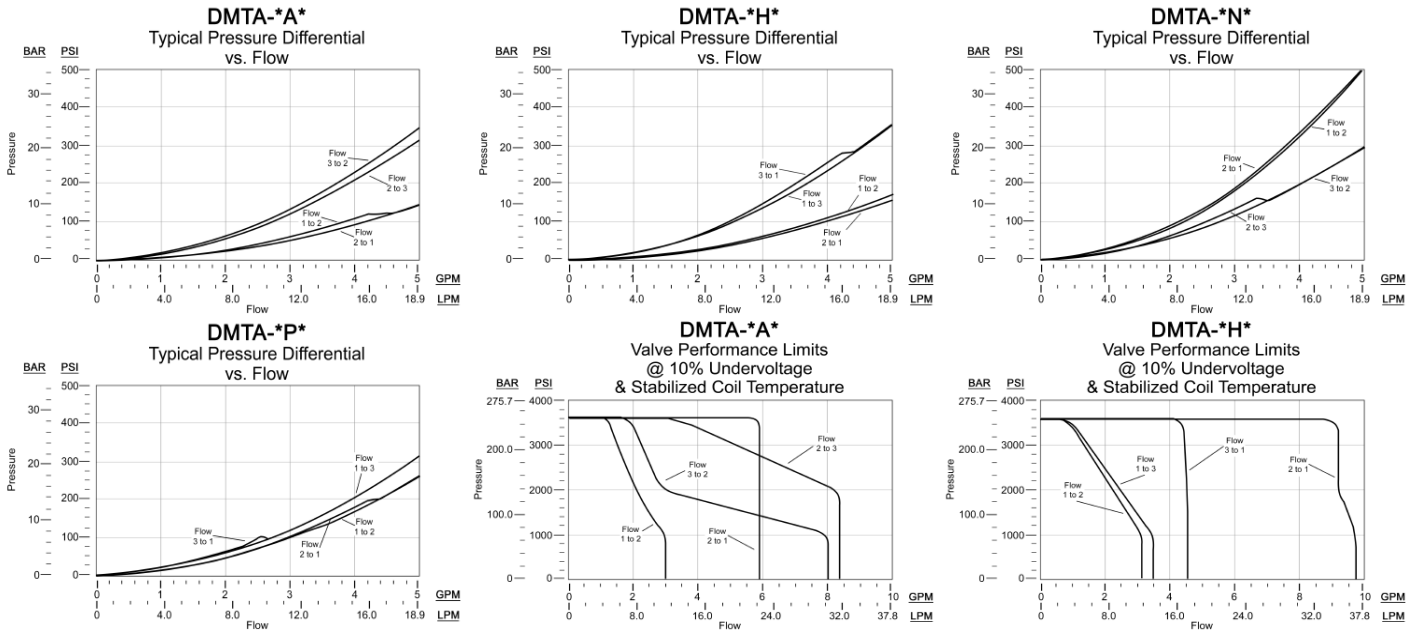
# OPTION SELECTION EXAMPLE: DMTAXAHN

<b>CONTROL</b>	<b>(X)</b> <b>SPOOL CONFIGURATION</b>	<b>(A)</b> <b>SEAL MATERIAL</b>	<b>(N)</b> <b>COIL</b>
<b>X</b> No Manual Override	<b>A</b> Normally Open 1 to 2, Closed 1 to 3	<b>N</b> Buna-N	No coil
<b>L</b> Manual Override (Push with Detent)	<b>H</b> Normally Open 1 to 2, Closed 1 to 3		
	<b>N</b> Normally Open 2 to 3, Closed 1 to 2		
	<b>P</b> Normally Open 1 to 3, Closed 1 to 2		

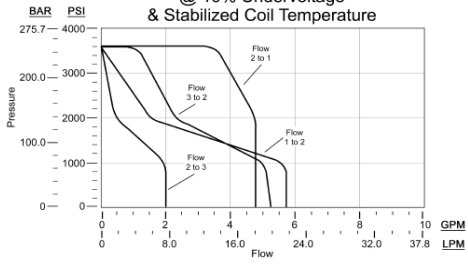
## TECHNICAL FEATURES

- Flow capacity may vary per spool type and inlet port. Refer to the performance limits for more information.
- This valve is direct actuated and requires no minimum hydraulic pressure for operation.
- The solenoid tube assembly is fatigue rated for 3600 psi (250 bar) service.
- This valve is available with a manual push-type override option.
- The metal coil nut is a functional feature of the valve and should be correctly installed for proper performance of the valve.
- All ports are rated to a maximum operating pressure of 3600 psi (250 bar).
- Coil connector options offer ratings up to IP67. See individual coil product pages for details.
- The cartridge installation torque of 22 lbf ft (30 Nm) is required for best performance.
- Coils can be mounted on the tube in either direction.

## PERFORMANCE CURVES



**DMTA-\*N\***  
 Valve Performance Limits  
 @ 10% Undervoltage  
 & Stabilized Coil Temperature



**DMTA-\*P\***  
 Valve Performance Limits  
 @ 10% Undervoltage  
 & Stabilized Coil Temperature

