Motion Control Valves

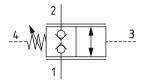
1CPPD90

Zero Differential Valve, Normally Closed, Poppet Type, External Drain, Port 3 Pilot 350 bar [5000 psi] • 90 l/min [24 US qpm]

■ DESCRIPTION AND OPERATION

This is a normally closed zero differential valve, which is a pilot assisted metered, bi-directional poppet valve. By applying pilot pressure on port 3 the valve will open allowing the load to be lowered with oil passing from port 1 to 2 or port 2 to 1. With port 4 connected to tank, back pressure will not affect the pilot pressure required to open the valve. These valves are usually used in conjunction with a remote pilot source to maintain control in the event of hose failure. They should always be mounted on to or into the actuator. These valves do not have a relief function.

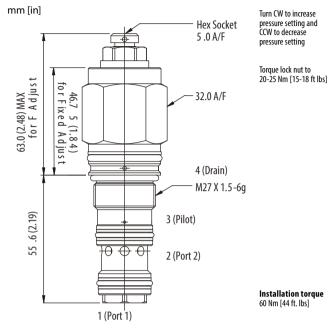
■ SCHEMATIC



PERFORMANCE DATA

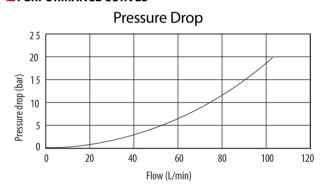
Rated pressure	350 bar [5000 psi]
Rated flow	90 l/min [24 US gpm]
Leakage	0.3 ml/min nominal [5 drops/min]
Weight	0.37 kg [0.82 lbs]
Cavity	A12196

DIMENSIONS



Danfoss

PERFORMANCE CURVES



MODEL CODE

