

Prepared by:-	M.Davies	Approved by:-		Date: 09/09/14
REV NO:-	1			
ECO:-	4282			

## GENERAL.

The Hi-Force HM1C control valve is designed for sustained load holding and metering operations. It can be connected at any point within a hydraulic circuit, but when used for load holding it should be placed as close to the cylinder as possible, preferably without hoses between the cylinder and control valve.

Maximum working pressure 700 bar.

**DANGER. NEVER WORK UNDER A LOAD SUPPORTED SOLELY BY HYDRAULIC MEANS. EITHER USE FAILSAFE CYLINDERS WITH A LOCK RING OR USE MECHANICAL MEANS.**

## CONNECTION.

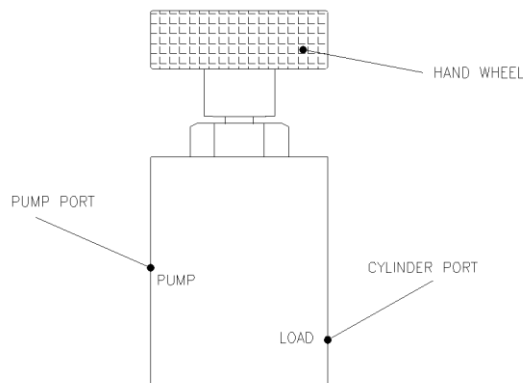
The HM1C valve is supplied with 3/8" NPT female connections. All hoses and fittings should be wrapped with one and a half turns of PTFE tape to prevent leakage.

Take care, when connecting to orientate the valve correctly. Failure to do this could result in damage to the valve. Also during load holding it means that the gland seals are not subject to pressure.

The port marked "PUMP" must be directed towards the pump and the port marked "LOAD" must be directed towards the cylinder.

## OPERATION.

Turn valve hand wheel clockwise to close the valve and anticlockwise to open the valve. Use only hand effort. Do not employ tools.



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