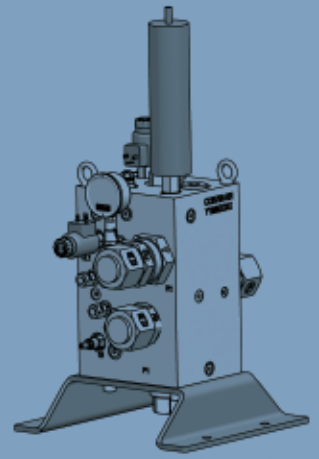


# Control Station Module

Provide engagement and isolation control to individual hydraulic actuator



## Product Overview

Moog Control Station Module is a compact and economic design and used for a single to single test system. It can provide an effective hydraulic engagement and isolation control to an individual hydraulic actuator same as the ordinary Hydraulic Service Manifold (HSM). Typically, the inlet port is connected to a central Hydraulic Power Unit (HPU). The outlet port is connected to individual actuator.

The Control Station Module is designed to be working under 210 bar system pressure, and the maximum rated flow capacity is 200 and 400 l/min.

The Control Station Module can provide Off/Low/High controlled hydraulic pressurization to the actuator thus to establish a smooth hydraulic engagement to avoid possible impulse to the actuator or damage to the specimen.

## Features and Benefits

Features	Benefits
2 levels of flow rate design	Adaptable to more applications with different flow demand
"Off/Low/High" pressure control	Low pressure (adjustable) provides a "Safe-Mode" during system installation, commissioning and tuning. High pressure mode provides the full power to the normal test and operation.
"Soft-Start" of "Off-to-Low"; a soft transition from "Low-to-High" pressure	The "Soft-Start" will create a smooth engagement of the hydraulic power into an actuator's close loop control. The wide range of Low Pressure setting (35 to 70 bar) creates a soft transition time from "Low-to-High", and select a nice working point to take a balance between safety and the tuning accuracy
Rapid "Pressure-Unloading" when switching to "Off" mode	Quickly remove pressure from actuator(s). This will bring the system from a "Pressurized-Mode" down to a "Safe-Mode" as soon as possible.
Pilot Pressure (PP)	Pilot Pressure to provide an "earlier engagement" for devices like servo valve with pilot stage, hydrostatic bearing etc., to ensure proper servo control from open-loop to close-loop.

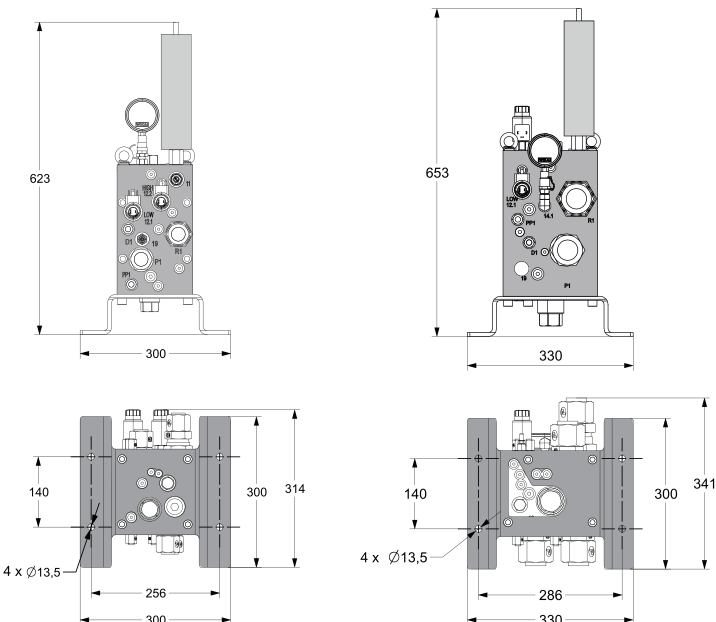
## Applications

The Control Station Module can be only used in a Testing System with a single actuator and with requirement of general frequency response.

## Ordering Code and Specification

Ordering Code	CC65784-001		CC65790-001
Specification			
Items	Unit	Description	
Nominal Flow Rating	l/min	200	400
Operating Pressure	bar	210	
Low Pressure Setting Range	bar	35 to 70	
Solenoid Power Volt	VDC	24	
Solenoid Current	A	1	
Accumulation	Unit	Description	
Soft-Start on Control Station Module	l	0.32	
Fitting configuration			
Pressure Out Port		-16 SAE 37° Flare	-24 SAE 37° Flare
Return In Port		-16 SAE 37° Flare	-24 SAE 37° Flare
Pilot Pressure Port		-6 SAE 37° Flare	
Drain In Port		-6 SAE 37° Flare	
Mass			
Mass (approximate)	kg	66	86

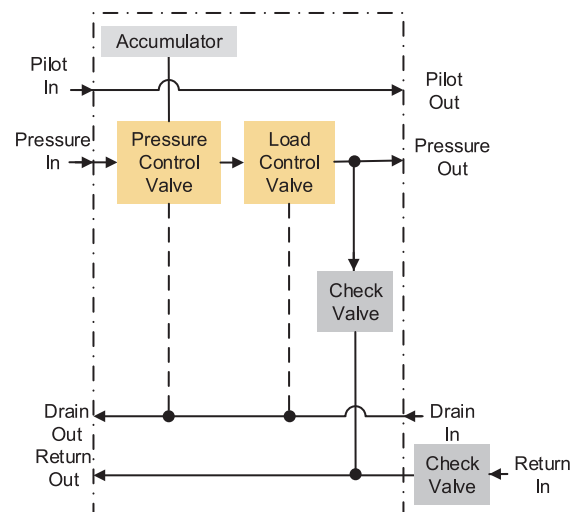
## Dimensions



200 l/min control station

400 l/min control station

## Hydraulic Schematic



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Control Station Module Datasheet  
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This technical data is based on current available information and is subject to change at any time by Moog. Specifications for specific systems or applications may vary.

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