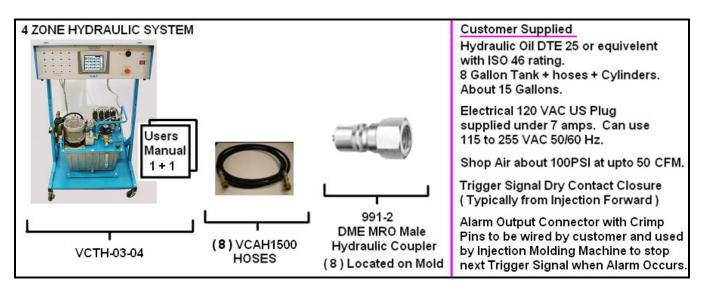
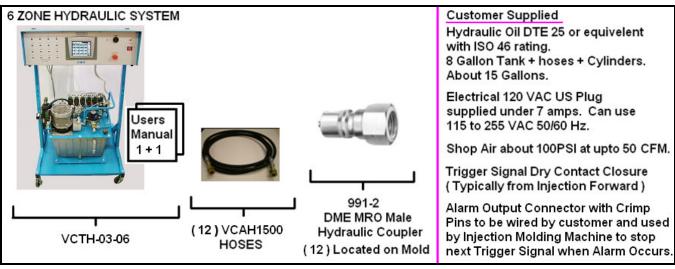
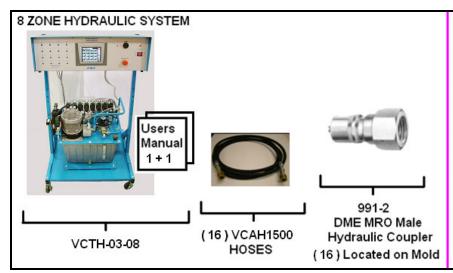
# **Typical Applications for using DME Hydraulic Valve Gate Products**

This Applications note is to help customers understand the overview of DME Hydraulic Valve Gate Control Products and how they are integrated with other DME Control Products. It is not intended to reference the Injection Molding Valve Gate Components other than the connectors that may be used to interface to them.

## **Typical Hydraulic Control Systems**







Customer Supplied

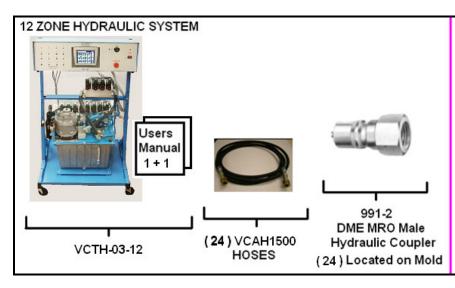
Hydraulic Oil DTE 25 or equivelent with ISO 46 rating.
8 Gallon Tank + hoses + Cylinders.
About 15 Gallons.

Electrical 120 VAC US Plug supplied under 7 amps. Can use 115 to 255 VAC 50/60 Hz.

Shop Air about 100PSI at upto 50 CFM.

Trigger Signal Dry Contact Closure (Typically from Injection Forward)

Alarm Output Connector with Crimp Pins to be wired by customer and used by Injection Molding Machine to stop next Trigger Signal when Alarm Occurs.



### Customer Supplied

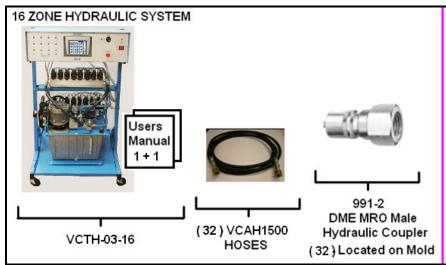
Hydraulic Oil DTE 25 or equivelent with ISO 46 rating.
8 Gallon Tank + hoses + Cylinders.
About 15 Gallons.

Electrical 120 VAC US Plug supplied under 7 amps. Can use 115 to 255 VAC 50/60 Hz.

Shop Air about 100PSI at upto 50 CFM.

Trigger Signal Dry Contact Closure (Typically from Injection Forward)

Alarm Output Connector with Crimp Pins to be wired by customer and used by Injection Molding Machine to stop next Trigger Signal when Alarm Occurs.



## Customer Supplied

Hydraulic Oil DTE 25 or equivelent with ISO 46 rating. 8 Gallon Tank + hoses + Cylinders. About 15 Gallons.

Electrical 120 VAC US Plug supplied under 7 amps. Can use 115 to 255 VAC 50/60 Hz.

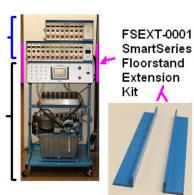
Shop Air about 100PSI at upto 50 CFM.

Trigger Signal Dry Contact Closure (Typically from Injection Forward)

Alarm Output Connector with Crimp Pins to be wired by customer and used by Injection Molding Machine to stop next Trigger Signal when Alarm Occurs. Adding a SmartSeries Hot Runner Temperature Control System with 12 zone base mainframe width to a Hydraulic Control System.

SmartSeries MFP20G Hot Runner Temp Control system Shown

VCTH-03-16 Hydraulic 16 Zone Time Based Control System Shown



#### Customer Supplied

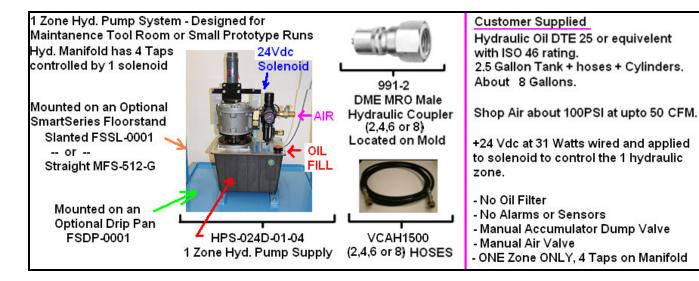
It is recommneded that 3 people perform this task. Two hold the controller(s) while the other person removes the bolts and refastens them. Remove Electrical Power from systems while performing this proceedure.

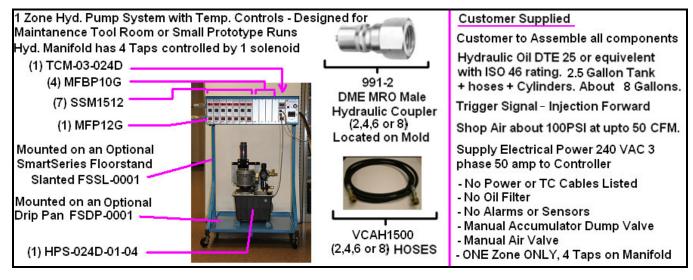
Customer to Remove Hydraulic Controller that is held in place by 4 bolts thru the mainframe stand.

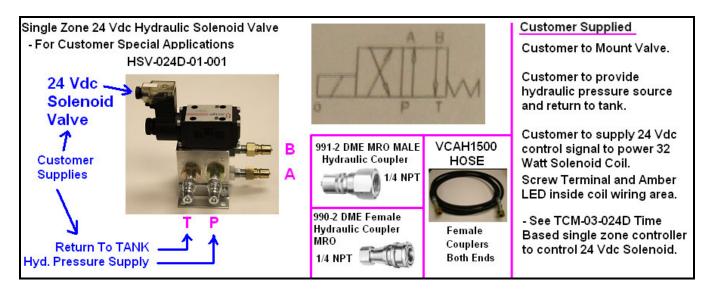
Put Floorstand Extension Angle Iron Brackets between Hydraulic Controller and Floorstand and re-Bolt back together.

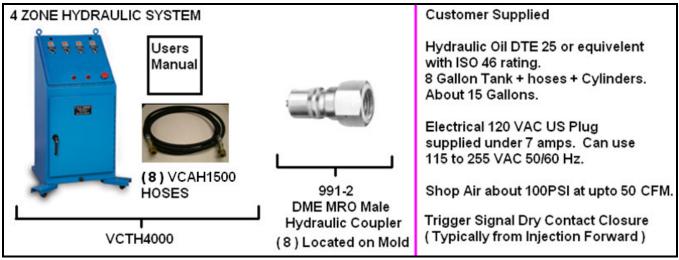
Place SmartSeries 12 Zone wide base Mainframe (Stacked MFP20G shown) on top of Hydraulic controller and bolt mainframe in 4 places to the Exension Angle Iron Bracket.

Refer to individual components for their connections.

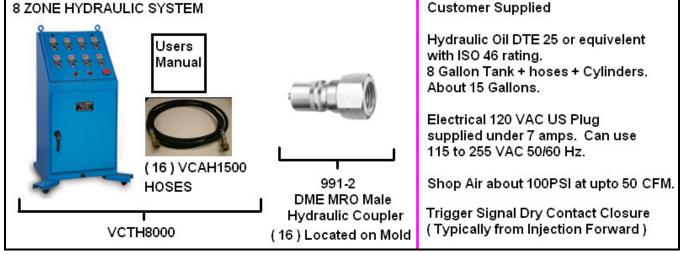








(This may be discontinued, see VCTH-03-04 for replacement)



(This may be discontinued, see VCTH-03-08 for replacement)