



## MASCONTROL Domestic Pump Controller

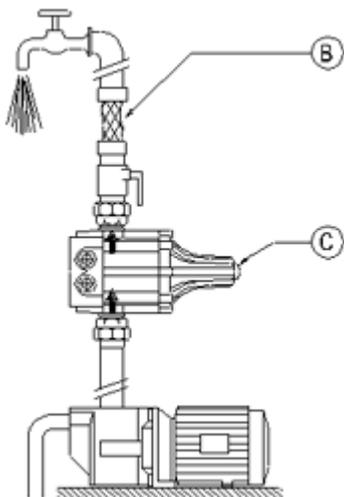
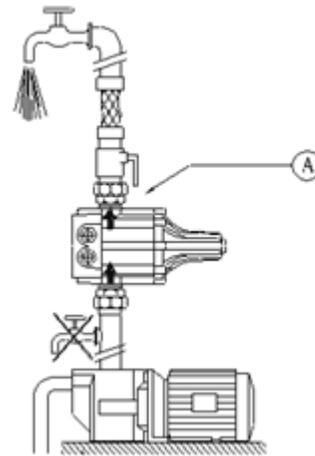
### INSTALLATION:

The device can be mounted either directly onto the pump or between the pump and the first service.

If the input pressure of the device exceeds 145 psi, install a pressure reducer between the pump and the device itself.

No tap can be mounted between the pump and the device.

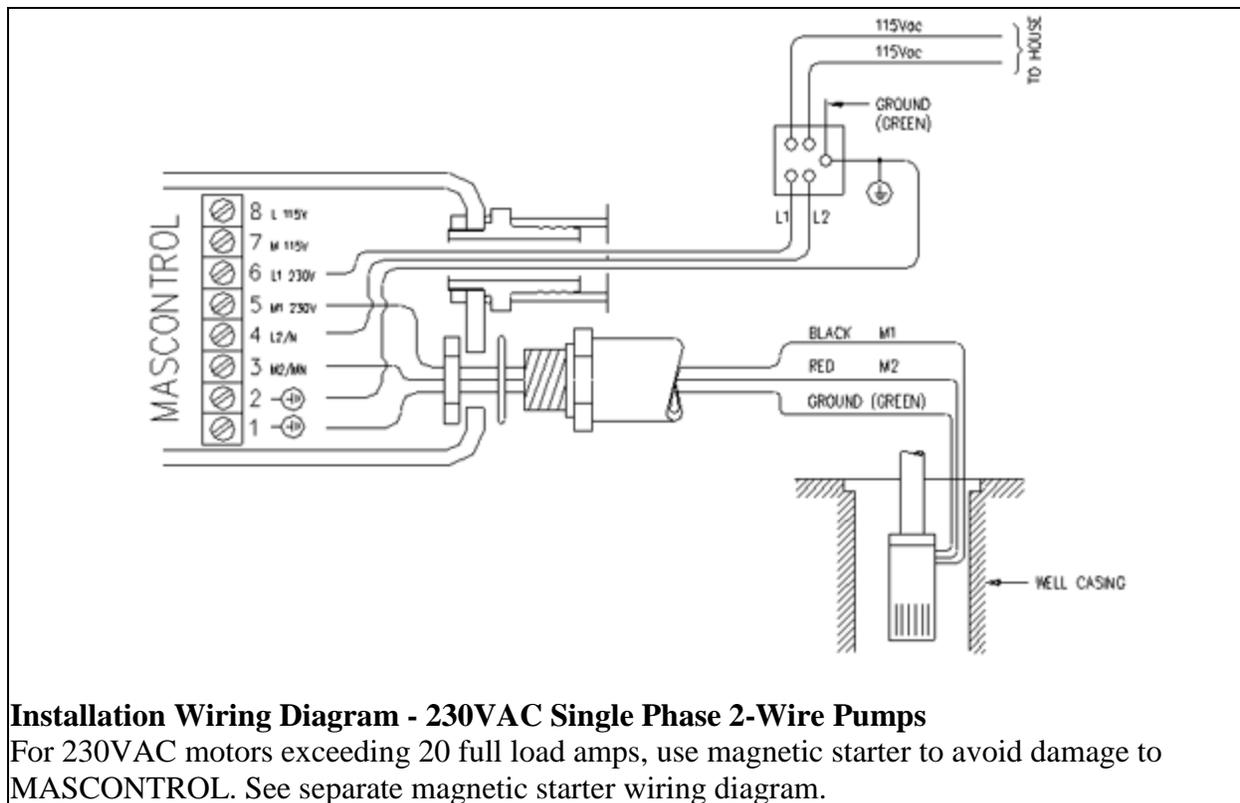
It is essential to mount the device with the flow arrows pointing upwards (fig. A).



It is recommended to connect the output of the device to the system by means of a ball valve and flexible tube (fig. B).

Before starting the device check that the pump is correctly primed.



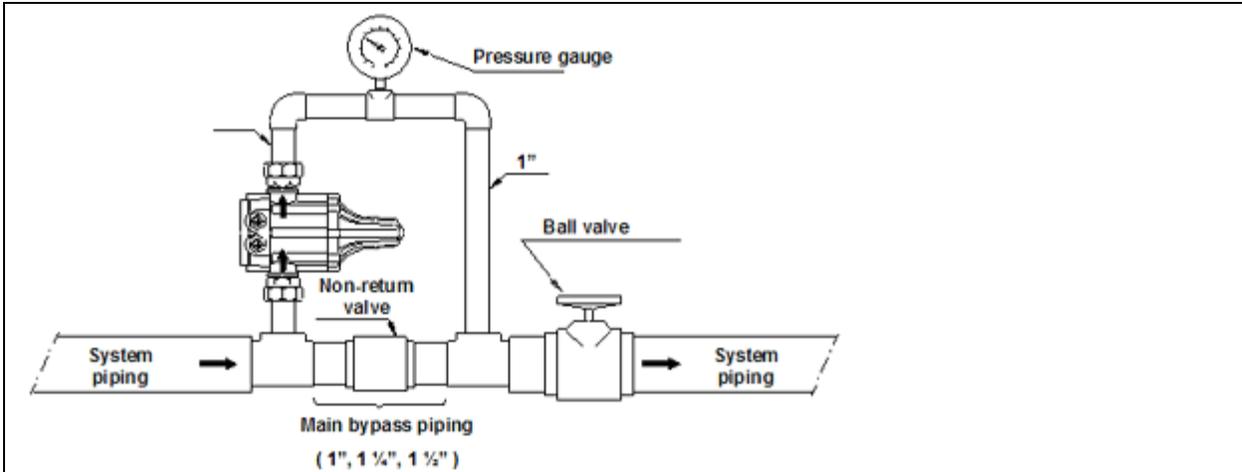


**Pressure loss chart**

Flow rate	( gpm )	5	10	15	18	20	25	30	35	40
MCA ( 1" )	pressure loss (psi)	0,5	1,5	4	6,5	8,5				
MCB ( 1 ¼" )	pressure loss (psi)	0,5	1,5	2,5	3,5	5,5	7,5	10	12,5	

**Pressure loss chart with a bypass application**

Flow rate	( gpm )	20	30	40	50	60	70	80
MCA x 1"	pressure loss (psi)	3	5	9	14	19	/	/
MCA x 1 ¼"	pressure loss (psi)	2	2	3	5	8	10	12
MCA x 1 ½"	pressure loss (psi)	2	2	3	4	6	7	8



Use MASCONTROL in bypass when friction loss is excessive.  
 The main bypass piping must not exceed 1 1/2", while the system pipe could be bigger.

	<p>For minimal delivery demands, the application of a small expansion tank downstream from the MASCONTROL allows for reducing the pump start-ups .          (Example: a glass of water, ice-making machine, inverse osmosis systems, or old systems with small losses).</p> <p>It is recommended to preload the expansion tank at a slightly lower value than the restart pressure calibration value of the device.          (Example : MASCONTROL calibrated at 44 psi, tank preloaded at approximately 42 psi).</p>
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