

Eaton[®]
Pressure Modulating Control Valve

No. 11-514
April, 1998



**Model 31931, 7 GPM
Pressure Modulating Control Valve**

Features and Specifications

Eaton® 7 GPM Pressure Modulating Control Valve Model 31931-CBZ

Applications

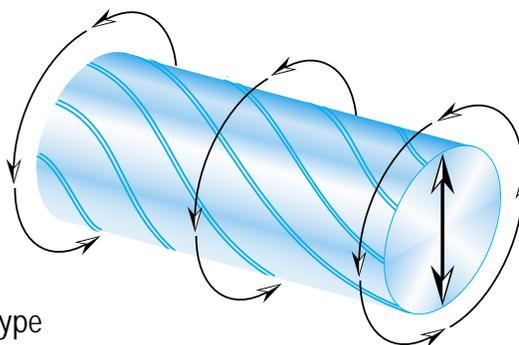
- Front Mounted Rotary Deck Mowers
- Front Mounted Reel Mowers



Similar to other single spool control valves, this valve allows the operator to smoothly position (raise and lower) the mower deck or reels with precision. In addition, lift circuit back pressure can be modulated by operating a rotary needle cartridge which allows the operator to take weight off the cutting units for reduced ground pressure and increased tractive effort or to apply down pressure to the cutting units for improved cutting finish.

Standard Features

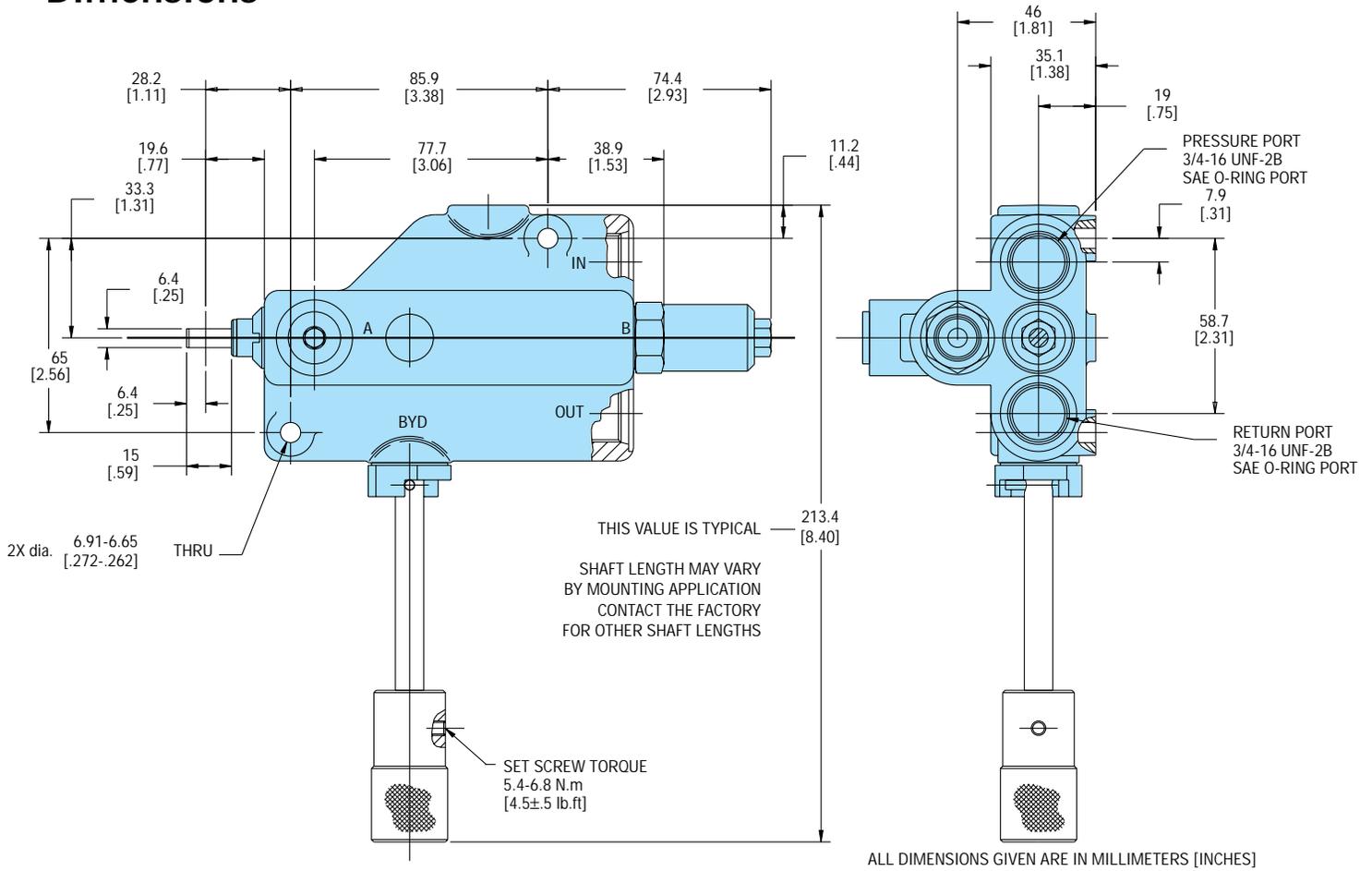
- Cast Iron Bodies
- Cored Internal Passages
- 3/4" -16 SAE Inlet and Return Ports
- 9/16" -18 SAE Work Ports
- Detent – Float
- Modulating Valve – Cartridge Needle Type



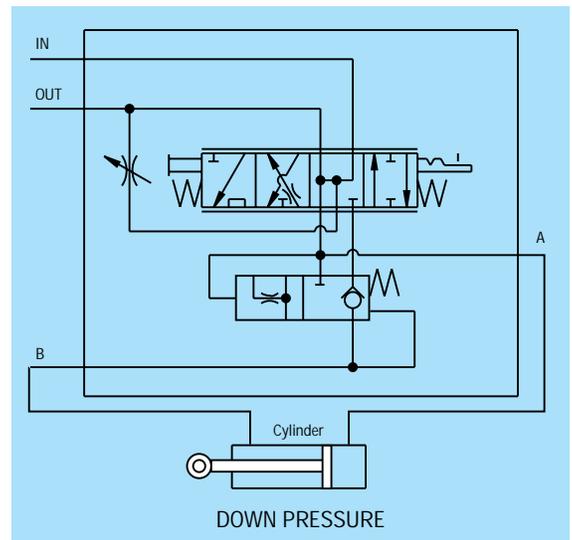
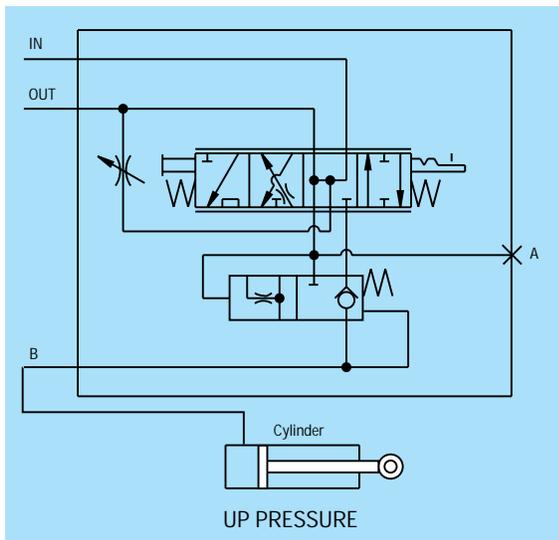
Specifications

- Inlet Flow Rate ----- 26.5 L/min [7 GPM]
- Pressure Rating ----- 172 bar [2500 PSI]
- Maximum System Temperature ----- 107° C [225° F]

Dimensions



Schematics



Information contained in this catalog is accurate as of the publication date and is subject to change without notice. Performance values are typical values. Customers are responsible for selecting products for their applications using normal engineering methods.

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