

ARMAX CONTROL VALVES

DN16 · DN44 · LCV · RCV

A patented pressure balanced face valve producing infinitely proportional control of the Armax GP range of motors: actuated by hand, or remotely using proportional actuation valves.

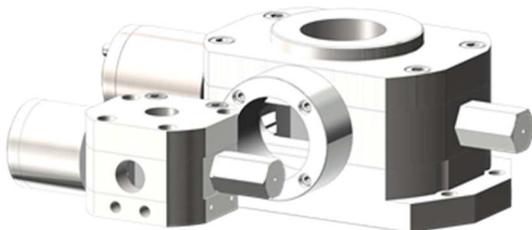
This range is available in two sizes - DN16 & DN44

Upon selection of your motor, these are both configurable to meet the control and produce minimal restriction, thereby achieving the performance throughout the GP range of motors.

Fitting of the Armax specified valves and silencers will ensure that the published performance data is achieved.

RCV

Remote Control Valve



LCV

Lever Control Valve



To use with:

These Control Valves will work with the following motor sizes.

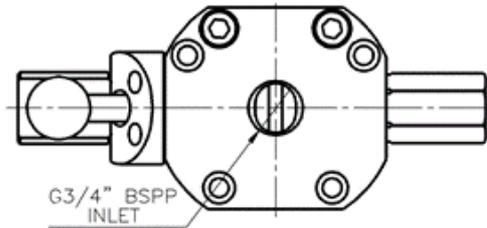
- DN16 - 1.8kW & 4kW GP motors
- DN44 - 7kW, 10kW, 16kW GP Motors

AGP01 AGP04

DN16 - LCV

Lever Control Valve

Suitable Valve Configurations for motors.

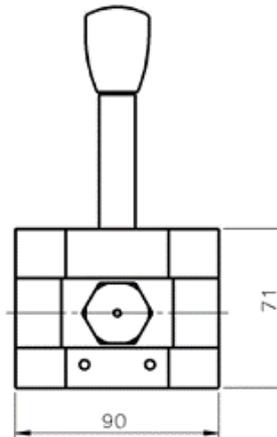
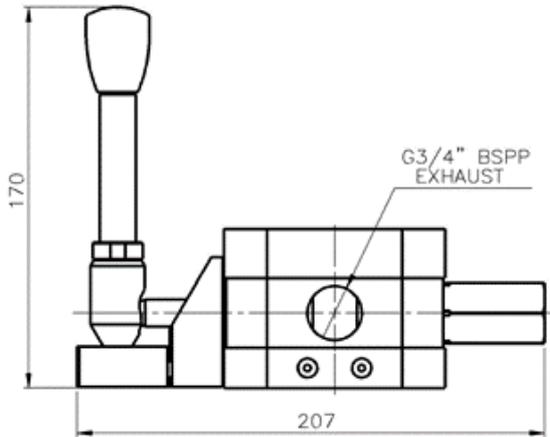


AGP01

LCV01J
LCV01K
LCV01L

AGP04

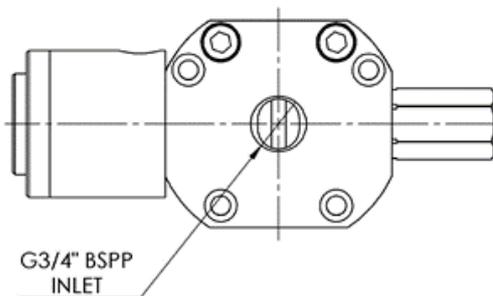
LCV04J
LCV04K
LCV04L



DN16 - RCV

Remote Control Valve

Suitable Valve Configurations for motors.

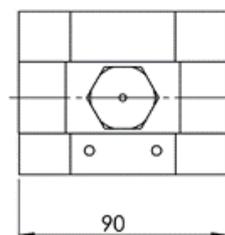
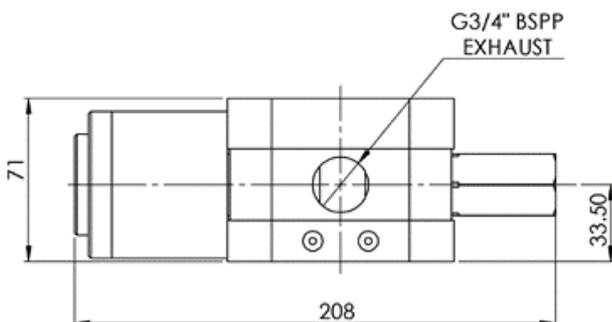


AGP01

RCV01R
RCV01V
RCV01W

AGP04

RCV04R
RCV04V
RCV04W

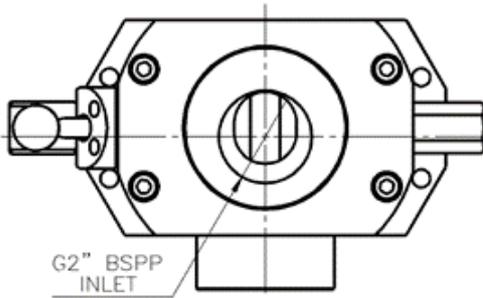


AGP07 AGP10 AGP16

DN44 - LCV

Lever Control Valve

Suitable Valve Configurations for motors.



AGP07

LCV10J

LCV16M

AGP10

LCV10K

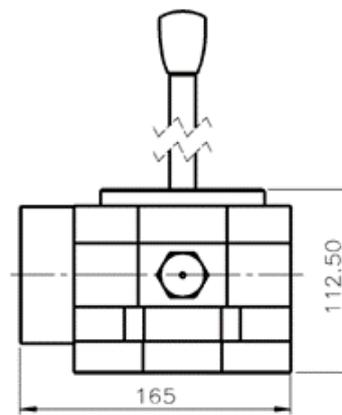
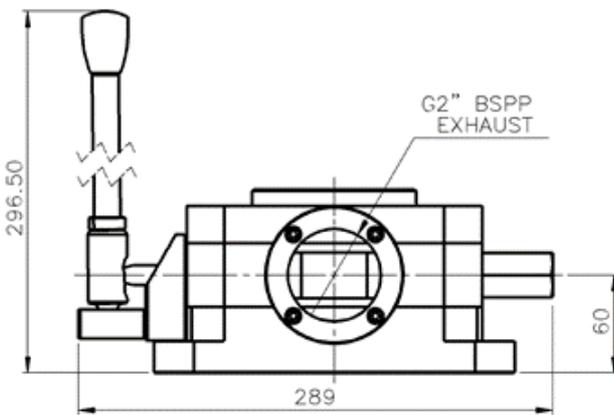
LCV16M-CP

LCV10L

AGP16

LCV16N

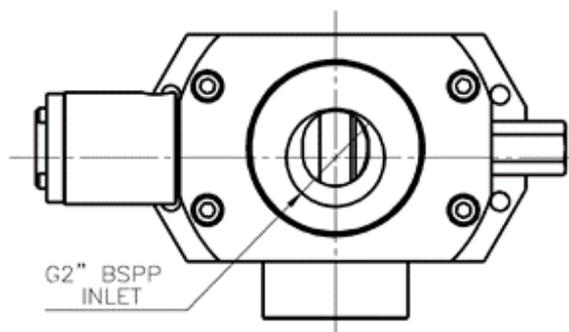
LCV16N-CP



DN44 - RCV

Remote Control Valve

Suitable Valve Configurations for motors.



AGP07

RCV10R

RCV16S

AGP10

RCV10V

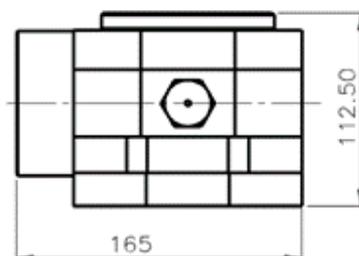
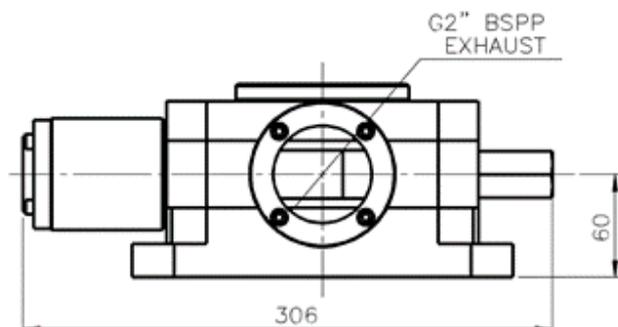
RCV16S-CP

RCV10W

AGP16

RCV16T

RCV16T-CP

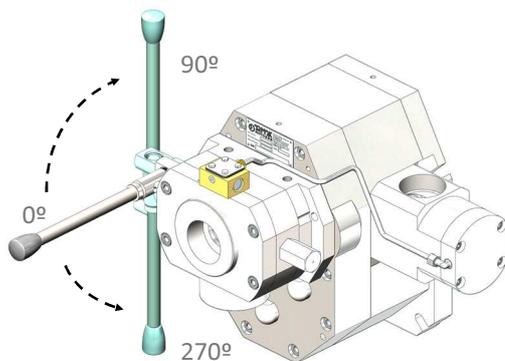


Bias in the control valves (i.e. exhaust restriction) is achieved on the larger valves by fitting an additional "check plate" (CP) into the return line within the lowering port. The restriction is application dependent and must be sized on installation, simply achieved by sizing the orifice in the check plate. The check plate also ensures a minimum operating pressure for release control of the brake assembly. The check plate does not affect the operating power of the motor in the opposite maximum power direction.

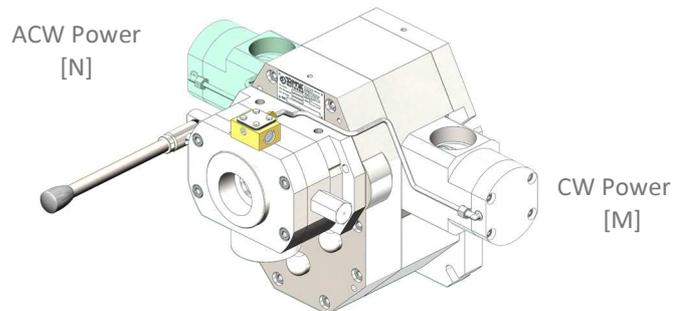
On the AGP07 to AGP16 motors an additional exhaust valve is fitted to ensure minimum restriction, this guarantees maximum power will be achieved by the motor. The power valve is actuated by the pilot actuator mounted on the directional valve. The additional exhaust only opens when the main directional valve is requesting higher power. This feature ensures micro flow control on initial opening of the valve without affecting the higher power performance of the motor.

The direction of rotation in which the maximum power is required (Clockwise CW or Anti Clockwise ACW when viewed on shaft) must be specified on order. This dictates the position of the power valve.

Handle Orientation



Power Valve Configurations



To assist in obtaining the correct configuration on installation the control lever can be rotated 360° in 90° steps, this ensures an appropriate actuation position is achieved. To meet ergonomic requirements a reverse handle assembly can also be supplied. Lever adjustment can be made during final installation of the valve.