

# Actuator Capacity Controller (ACC)

The Actuator Capacity Controller (ACC) is a compact, robustly designed controller that optimizes flow, precision, reliability and integration with Milton Roy® pumps.

## SPECIFICATIONS

### Enclosure

- Watertight: IP68, NEMA 4x
- Explosion-proof: IEC Ex/ATEX db IIB T6 Gb, CSA, NEMA 7

### Electrical Input Power

- 1 phase , 85V to 260V, 50/60 Hz (standard)
- 24VDC (standard)

### Control and Position Signal

- 4-20mA analog input command/output feedback

### Accuracy

- $\pm 0.5\%$  ( $\pm 0,5\%$ )

### Modulating Cycle

- Inching/positioning

### Motor

- DC motor controlled by electronic board
- Motor power: 30 W
- AC: Is = 2A (starting current)
- DC: Is = 6A (starting current)

### Temperature

- -40°F to 140°F (-40°C to 60°C)

### Conduit

- 2" x 3/4" NPT (without cable gland)

### External Protection

- Coating C4 according to ISO 12966 (standard)
- Coating C5 according to ISO 12966 (optional)

### Materials

- Body: Aluminum alloy
- Cover: Aluminum alloy
- Mounting Bracket: Aluminum
- Manual Override Shaft: Steel
- Cover fastened by captive and stainless steel screws



## BENEFITS

- Compact, robust design accommodates easier integration with metering skids
- Multi-voltage and multi-frequency power suitable for global industrial process
- Explosion-proof design suitable for severe applications
- Sand proof protection
- Standard version suitable for various weather environments
- Simple, easy for quick setup

## FEATURES

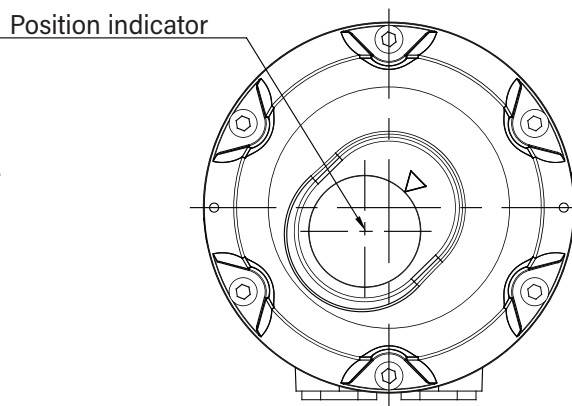
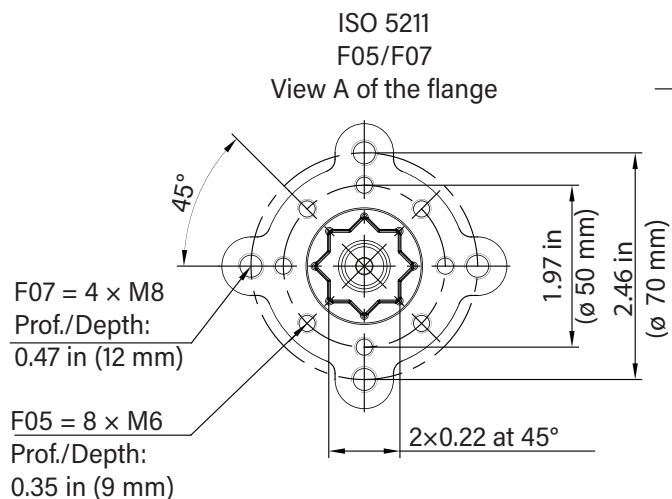
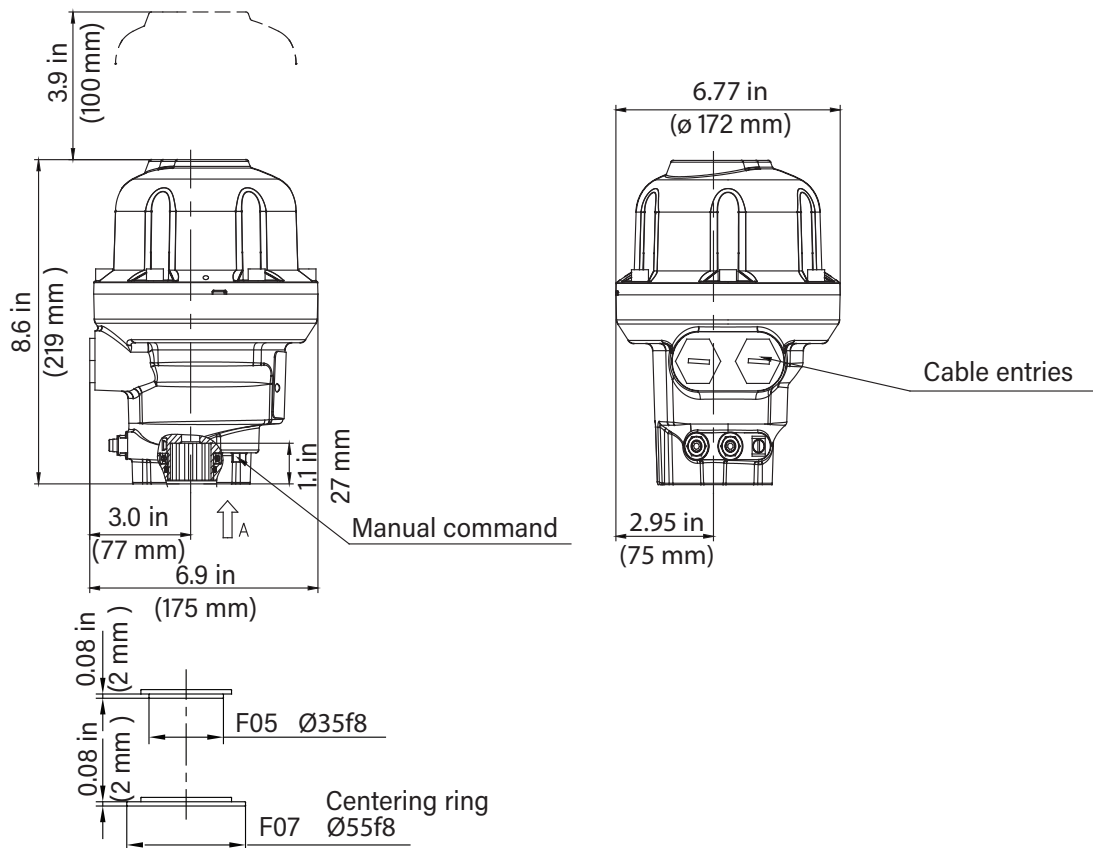
- High level of modulating accuracy to control the pumps remotely
- Special offshore version for O&G applications
- Flexible adjustment for flow rate 1:10 ratio to meet API 675 standard
- Mechanical position indicator integrated inside cover to conveniently check levels
- Manual override integration for manual flow adjustment as needed

## MODELS USING ACC

- MAXROY®
- mROY®
- MILROYAL®
- PRIMEROY® K / L
- PRIMEROYAL® K / L

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## DIMENSIONS



The general dimensions are given for information only.