

ROTARY VALVE CONTROL MONITOR WITH MECHANICAL, MAGNUM & SPST MAGPAC LIMIT SWITCHES
QUANTUM 777 & 877 (Explosionproof - INMETRO APPROVAL)



Base Model

777- Aluminum Enclosure - Ex d IIC T6 Gb (-20 °C ≤ Tamb ≤ +50 °C) IP66W
 877- Aluminum Enclosure for Dual Coil or Dual Solenoid - Ex d IIC T6 Gb IP66W

Shaft Output

S Standard
 N NAMUR
 0 None

Beacon

BY BM2-Y (Standard)
 45 BM2-Y (45 Degree)
 RG BM2-RG (Red Closed/Green Open)
 AB BM2-B
 AR BM2-R
 B1 BM3-1
 B3 BM3-3
 B5 BM3-5
 B7 BM3-7
 B9 BM3-9
 FC Flat Cover

POSITION SWITCH APPLICATION NOTE:

For **120 VAC service**, **M13** (MagPAC) is recommended
 For **24 VDC service below 1 watt**, **M12** (Rhodium Magnum switches) or **M13** (MagPAC) is recommended
 For **24 VDC service above 1 watt**, **M06** (Tungsten Magnum switches) or **M13** (MagPAC) is recommended

Conduit

2A Two 1/2" NPT (F)
 3A Three 1/2" NPT (F)
 2B Two 3/4" NPT (F)
 3B Three 3/4" NPT (F)

Position Switches

2M02 Two SPDT Mechanical switches - 8 pt. Terminal Strip
 2M04 Two DPDT Mechanical Switches - 16 pt. Terminal Strip
 2M06 Two SPDT Magnum switches - 8 pt. Terminal Strip
 2M12 Two SPDT Magnum switches with Rhodium contacts - 8 pt. Terminal Strip
 2M13 Two SPST MagPAC Module - Two SPST Bifurcated switches with LEDs
 Note: For different quantities and special switches (please consult with your Sales Representative).

Analog Position Transmitter

00 None
 CS 4-20 mA Position Transmitter

Coil Voltage (Adders must be doubled for Dual Coil)

X 24 VDC (XP Coil)
 Y 120 VAC (XP Coil)
 V 125 VDC (XP Coil)
 H 220 VAC (XP Coil)

Falcon Valve Body ****

232	1.1Cv 3-Way, Brass	380	3.5Cv, 4-Way, Aluminum
332	1.1Cv, 3-Way, Aluminum	3V8	4.3Cv, 4-Way, Aluminum
532	1.1Cv, 3-Way, 316 SS	580	3.5Cv, 4-Way, 316 SS
340	3.5Cv, 3-Way, Aluminum***	2Y2	1.1Cv, Dual Coil, Brass*
3V4	4.3Cv, 3-Way, Aluminum***	3Y2	1.1Cv, Dual Coil, Aluminum*
540	3.5Cv, 3-Way, 316 SS***	5Y2	1.1Cv, Dual Coil, 316 SS*
272	1.1Cv, 4-Way, Brass	3Z0	3.5Cv, Dual Coil, Aluminum*
372	1.1Cv, 4-Way, Aluminum	3VZ	4.3Cv, Dual Coil, Aluminum*
572	1.1Cv, 4-Way, 316 SS	5Z0	3.5Cv, Dual Coil, SS316*

Options

0 None
 M Momentary*
 L Locking*
 R No-voltage Release, Non-Latching**
 N No-voltage Release, Latching**
 E External Pilot**
 H Grub Screw Hex

Certification

M INMETRO (Other options under consult with Sales Representative)

Optional Feature

000 No option feature
 XXX Special variants

777- N BY 3B 2M06 00 X 532 0 M 000 = Model Number 777-NBY2B2M0600X5320M000

* Dual Coil valve body options only available with Base Model 877

** Options E, L, N, M, R are not available with option "340, 3V4, 540" & "380, 3V8, 580" Falcon Valve Bodies. Please contact Sales Representative for availability.

*** 340, 3V4 and 540 valves are respectively 380, 3V8 and 580 valves with ports 2 & 3 plugged at the factory for 3-way functionality.

**** For two independents Falcon Solenoid option add suffix 00114 to part number. Only available with Base Model 877.