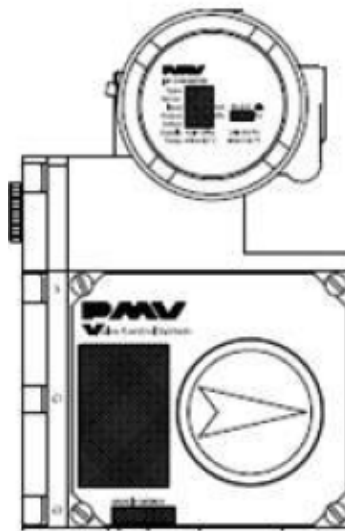
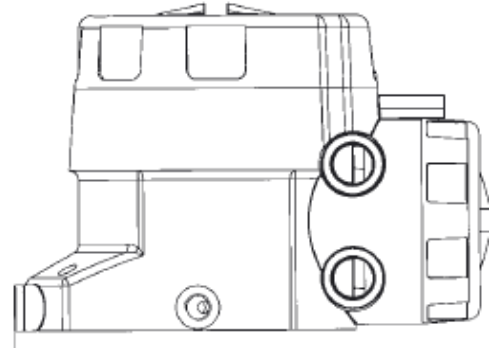
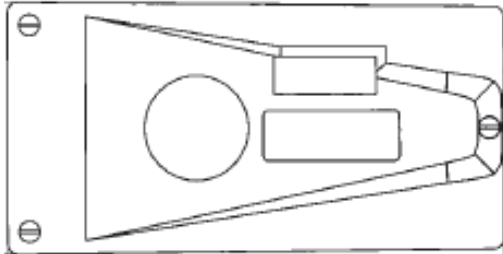


# PMV

## 2009 Mounting Kit Guide

EFFECTIVE: JANUARY 1<sup>ST</sup>, 2009



Chicago Office  
460 Elm Ave.  
Elmhurst, IL 60126  
630-516-9058  
630-516-9059 fax

The Woodlands Service Center  
1440 Lake Front Circle #160  
The Woodlands, TX 77380  
281-292-7500  
281-292-7760 fax

Augusta Office  
2713 Wellington Dr  
Augusta, GA 30909  
706-733-6900  
706-733-2100 fax



*PMV Positioners*

[www.pmv.nu](http://www.pmv.nu)

# Terms and Conditions

## PMV-USA Warranty:

PMV warrants all equipment to be free of defects in material and workmanship under normal use and service for a period of one year from (PMV) factory ship date. PMV will inspect, make the necessary adjustments to the product or completely replace the unit under warranty. PMV will not provide repair service.

This warranty is in place of all other expressed, inferred or implied warranties including, but not limited to, those of marketability and fitness for a particular purpose. This warranty is also the purchaser's sole remedy and is in place of other guarantees, obligations, liabilities or any consequential, incidental or punitive damages attributable to negligence or strict liability, all by way of example.

While PMV provides application assistance for its products, both personally and through correspondence, it is up to the customer to determine the suitability of the product in the application.

Products that are altered, installed incorrectly, misapplied or damaged are ineligible for warranty claims.

## Warranty Return Procedure

PMV will evaluate any positioner the customer may feel needs to be returned. PMV will not provide repair service. We will either replace a warranted (1 year from factory ship date) positioner or if the problem is a minor external part, that be replaced without constituting repair, we will do so locally and return the unit to the customer. If the product is not under warranty, PMV will advise the customer of the necessary parts to return the unit to service. PMV can return the unit or, if you decide, PMV can discard the unit for the customer. Whether a product is under warranty or not, a complete product evaluation is sent to the customer.

If you have a product to return, contact us with the following information; TYPE OF POSITIONER and SERIAL NUMBER. After your initial telephone call, we will check for warranty. A return form will be sent to you, and then we will issue you a return authorization code for proper tracking. The form should be filled out with as much information as possible. This will assist us in providing you with a more complete evaluation. MSDS safety sheets must accompany all returned products, which may have been in a hazardous environment.

PMV Houston cannot and does not provide product repair service. Often, minor adjustments are all that are required to return the product to working condition. PMV may choose to do this as part of the evaluation.

## Ordering Information:

## Terms of Payment: Net 30 Days

Schedule "A" products: EP3, P3, D3, D2, P5, EP5, EP5US, EP5IS, EP5EU, F5, P2000

Schedule "B" products: P4, P1500, P1520, P1540, P1700/10/20/30,  
P2020, P2000, P2050, EP5-FS, F5-IS, F5-EX  
Accessories and Parts  
Mounting Kits

1. When determining the discount for positioners, if a Schedule "A" unit contains a Schedule "B" list-adder option, the positioner is discounted at the Schedule "B" level.
2. All other items considered as "additional parts," are discounted to Schedule "B" and DO NOT affect the specified positioner schedule pricing.
3. All shipments, unless otherwise specified, are F. O. B. Shipping point. Title and possession of all goods, and risk of all loss or damage, passes to the purchaser upon delivery to the carrier at point of shipment.
4. PMV-USA must give permission before any goods are returned.
5. All pricing after discount is rounded up to the next dollar.
6. Typographical errors are subject to correction at time of order.
7. All orders subject to a 30% restock fee.

## Rush Orders:

A fee, based on the value of the order, is applied to all orders with a requested delivery time shorter than the PMV standard (overseas) delivery time. All associated freight charges and supplier expedite fees will be the responsibility of the purchaser.

## Mounting Kits

**Note: FOR all ISO kits, please request either metric (M5) bolts or imperial (10-24) bolts.**  
**Catalog description may or may not note the required bolts.**  
**PLEASE SEE ISO MEMO AT END OF MOUNTING KIT BOOK.**

**Note: For all LINEAR conversions, please see LINEAR memo at end of mounting kit book.**

**Note: Product availability is subject to (1) supply and demand and (2) arrival of purchase orders. Please contact The Woodlands office to confirm availability of the products you desire.**

<b>ABB -- Damper Drive</b>		Required	
3081008	Damper Drive	<b>Spindle*</b>	<b>Actuator Model #'s</b>
		27	UPT 20
<b>ABZ -- ACTUATORS</b>			
Note: See TRIAC ACTUATORS			
<b>ACTREG --ACTUATORS</b>			
Note: See TRULINE			
<b>AIR TORQUE -- ACTUATORS</b>		Required	
<b>PMV No.</b>	<b>Ref No.</b>	<b>Spindle*</b>	<b>Actuator Model #'s</b>
3023651	ISO 1 (SS)	23	PT050, PT100, PT200, PT250, PT300
3023649**	ISO 2 (SS)	23	PT350, PT400, PT450, PT500
3023647**	ISO 3 - (2" HT) (SS)	23	PT550, PT600, PT650, PT700, PT800
<b>ALFA LAVAL -- ACTUATORS</b>		Required	
<b>PMV No.</b>	<b>Ref No.</b>	<b>Spindle*</b>	<b>Actuator Model #'s</b>
3023649**	ISO 2 (SS)	23	BC01, C01, D01
3023655**	ISO 3 (SS)	23	D02,E02, E03, F04, G04, H04, K04, H05, K05, I
<b>AMRI -- ACTUATORS</b>		Required	
<b>PMV No.</b>	<b>Ref No.</b>	<b>Spindle*</b>	<b>Actuator Model #'s</b>
3023651	ISO 1 (SS) ask for M5 bolts	23	Actair 3,6,12,25,50,100,200
			Dynactair 3,6,12,25,50,100
<b>ARCA -- ACTUATORS</b>		Required	
<b>PMV No.</b>	<b>Ref No.</b>	<b>Spindle*</b>	<b>Actuator Model #'s</b>
3529414	IEC534-6	5	Linear
<b>ASAHI -- ACTUATORS</b>		Required	
<b>PMV No.</b>	<b>Ref No.</b>	<b>Spindle*</b>	<b>Actuator Model #'s</b>
3023836**	ISO 1 (SS)	23	A79P
3023649**	ISO 2 (SS)	23	B79P, B979P, C79P, C579P, D79P, D579P, E7
3023660	ISO 3 (SS)	23	F79P, G79P
<b>AUTOMAX -- ACTUATORS</b>		Required	
<b>PMV No.</b>	<b>Ref No.</b>	<b>Spindle*</b>	<b>Actuator Model #'s</b>
3023651	ISO 1 (SS)	23	SuperNova B50 - B100, SXL 050-100
3023660	ISO 3 (SS)	23	SuperNova B115 - B200, SXL 115-150
3023649**	ISO 2 (SS)	23	EFC A160, A270, A500

\*\*SEE PAGE 12

Note: See "Terms and Conditions" for explanation of discount schedule.

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## Mounting Kits

### **BADGER METER -- ACTUATORS**

Call PMV for information.

#### **BAILEY**

<b>PMV No.</b>	<b>Ref No.</b>	Required <b>Spindle*</b>	<b>Actuator Model #'s</b>
3081005	BC-SS-AV	33	Replaces 5400266-1 Mtg brkt
3081011	BC-CS-AP	33	P5/EP5 Adapter plate/Damper drive
3076010(x)	BC-SS-90 (5327445A1)	33	1" to 4" Stroke drive arm 90°
3076011(x)	BC-SS-45 (5327445A2)	33	1/2" to 2" Stroke drive arm 45°
3076013	PRE AP	33	Used to replace 53XXXX, pre AP positioners

(x) These parts are LINK ARMS ONLY & do not include a mounting bracket.

#### **BETTIS -- ACTUATORS**

<b>PMV No.</b>	<b>Ref No.</b>	Required <b>Spindle*</b>	<b>Actuator Model #'s</b>
3014961	PB-CBA	30	CBA-315/415/420/520
3014962	PB-CBA525,725	30	CBA-525/725
3018284	PB-RP2250	30	RP 2250
3018285	LK-PB-RPB	27	All RPB style actuators
3018286	LK-PB-HD521,721,722	30	HD521,721,722
3018287	LK-PB-HD731,732	30	HD731,732
3018288	LK-PB-T3	30	T310,312,316
3018289	LK-PB-T4	30	T410,412,416,420
3018290	LK-PB-T5	30	T510,512,516,520
3018291	LK-PB-T8	30	T810,812,816,820,824
3023651	ISO 1 (SS)	23	RPC / G Series, all sizes / D series, sizes-12,25 40,65,100,200,350
3023650	ISO 3 (CA)	23	D series, sizes 600,950, 1600
3018301	PMBT6	30	RP450
3083105	RP11000	23	RP11000

#### **BRAY -- ACTUATORS**

<b>PMV No.</b>	<b>Ref No.</b>	<b>Spindle*</b>	<b>Actuator Model #'s</b>
3023646	ISO 1 - (1 1/2" HT) - (SS)	20	Series 90/91 Size 63 - 127
3023663	ISO 3 - (2 5/16" HT) - (SS)	20	Series 90/91 Size 160 - 255B
3023836	ISO 1 (SS)	23	Series 90/91 Stainless Steel 63-127 Series 92/93 63 - 127
3023655	ISO 3 (SS)	23	Series 90/91 Stainless Steel 160- 2552 Series 92/93 160 - 2552

#### **CENTERLINE -- ACTUATORS**

3023646**	ISO 1 - (1 1/2" HT) - (SS)	23	33100/38100 - 33125/38125
3023647**	ISO 3 - (SS)	23	33130/38130 - 33140/38140

#### **CONBRACO -- ACTUATORS (Compac Torque)**

<b>PMV No.</b>	<b>Ref No.</b>	Required <b>Spindle*</b>	<b>Actuator Model #'s</b>
5HP2082	CT-10, 20	23	CT-10, 20 (NOT Standard NAMUR mount)
3023836**	ISO 1 - (SS)	23	CT- 30,40,50,60
3023655**	ISO 3 - (SS)	23	CT-65,70,80,90/ R10 - SR60

#### **CONTRAMATICS -- ACTUATORS**

<b>PMV No.</b>	<b>Ref No.</b>	Required <b>Spindle*</b>	<b>Actuator Model #'s</b>
3023651	ISO 1 (SS)	23	100, 200, 300, 500, 700, 1030, 2200, 2900, 4100
3023650**	ISO 3 (CA)	23	5800, 9000, 12100, 23600, 29500, 37000

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Note: See "Terms and Conditions" for explanation of discount schedule.

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**Mounting Kits**

**COPES - VULCAN -- ACTUATORS**

<b>PMV No.</b>	<b>Ref No.</b>	Required <b>Spindle*</b>	<b>Actuator Model #'s</b>
3010011	LK-EF-01	30	CV 600

**COR VAL -- ACTUATORS**

<b>PMV No.</b>	<b>Ref No.</b>	Required <b>Spindle*</b>	<b>Actuator Model #'s</b>
3010011	LK-EF-01	30	Globe Style

**DEZURIK -- ACTUATORS**

<b>PMV No.</b>	<b>Ref No.</b>	Required <b>Spindle*</b>	<b>Actuator Model #'s</b>
3091021	DR 55/85	30	DR 55/85
3091022	Power Rac PR1	26	Power Rac PR1
3091023	Power Rac PR2	26	Power Rac PR2
3091024	Power Rac PR3	26	Power Rac PR3
3023651**	ISO 1 (SS) ask for M5 bolts.	23	Compak-30,73,103,148,222,295
3023650**	ISO 3 (CA) ask for M5 bolts	23	Compak-586,1213,2366,2950
3010011	LK-EF-01	30	Honeywell sizes 01 -11

**EL - O - MATIC -- ACTUATORS**

<b>PMV No.</b>	<b>Ref No.</b>	Required <b>Spindle*</b>	<b>Actuator Model #'s</b>
3012084	PEOM-E20/P28	9	E20/P28
3514986	PEOM-P250,400	30	P250/P400
3023836**	ISO 1 - (SS)	23	EDA/ESA,P-D/S N25,65,100,150,200,280,350
3023655**	ISO 3 - (SS)	23	EDA/ESAPSA, P-D/S N500, 600, 750, 950 1100, 1600, 2500, 4000, 4004
3014983	POEM P15LK	9	E10/P15, SR15
3014984	POEM P50, 75	9	P50/P75, SR50

**EMERSON - FieldQ -- ACTUATORS**

<b>PMV No.</b>	<b>Ref No.</b>	<b>Spindle*</b>	<b>Actuator Model #'s</b>
3023836	ISO 1 - (SS)	23	Q40, Q100, Q200, Q350
3023655	ISO 3 - (SS)	23	Q600, Q950, Q1600

**EPH -- ACTUATORS**

<b>PMV No.</b>	<b>Ref No.</b>	Required <b>Spindle*</b>	<b>Actuator Model #'s</b>
3023646**	ISO 1 - (1 1/2" HT) - (SS)	23	RC20 - 60
3023647**	ISO 3 - (2" HT) (SS)	23	RC70 - 80

**FISHER CONTROLS -- ACTUATORS**

<b>PMV No.</b>	<b>Ref No.</b>	Required <b>Spindle*</b>	<b>Actuator Model #'s</b>
3010015	585	30	585C/585CR sizes 25, 50
3010010	LK-EF-01 (ALL SS)	39	657,667 sizes 30 -70
3010011	LK-EF-01	30	657,667 sizes 30 -70
3010021	FC 01 -S - 80	30	657, 667 sizes 80/100
3010023	LK-EF-06 (Sweden)	23	1066 size 20, 27
3010025	LK-EF-02	23	1051 sizes 30,40,60,1052 sizes 40,60,70
3513645	1061-80/100	6	1061 size 80,100
3014937	** LK-EF-05	23	1052, size 20
3010024	1051/1052-33	23	1051, 1052, sizes 33
3010019	1066-75	30	1066 size 75
3023651	ISO 1 (SS)	23	1032-45 through 680, 1035-25 through 350
3023650**	ISO 3 (CA)	23	1032-1125 through 4580, 1035-500 through 750
3513646	LK-EF-07	9	1031, size 26,33,45 cmi (POSI-SEAL) <b>(X)</b> <b>(X) = Not compatible with D3 &amp; D2</b>

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Note: See "Terms and Conditions" for explanation of discount schedule.

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## Mounting Kits

### FLO-TORK -- ACTUATORS

PMV No.	Ref No.	Required Spindle*	Actuator Model #'s
3093016		30	A1000
3093017		21	A500

### GRINNELL -- ACTUATORS (ULTRA-TORQ AND TRUE-TORK)

PMV No.	Ref No.	Required Spindle*	Actuator Model #'s
3023651	ISO 1 (SS)	23	2,4,8,12,20,35
3023650**	ISO 3 (CA)	23	55,70,100,150

### HYTORK -- ACTUATORS

PMV No.	Ref No.	Required Spindle*	Actuator Model #'s
3023651	ISO 1 (SS)	23	size 45 through 680
3023650**	ISO 3 (CA)	23	size 1125 through 4580

### ISO Standard Mounting Kits

PMV No.	Ref No.	Required Spindle*	Actuator Model #'s
3023651	ISO 1 (SS)	23	30W x 80L x 45H mm
3023836 **	ISO 1 (SS)	23	30W x 80L x 45H mm
3023649 **	ISO 2 (SS)	23	30W x 80L x 55H mm
3023650**	ISO 3 (CA)	23	30W x 130L x 55H mm
3023655 **	ISO 3 (SS)	23	30W x 130L x 55H mm

### KTM -- ACTUATORS

PMV No.	Ref No.	Required Spindle*	Actuator Model #'s
3078010	AK Series	23	AK07,AK09,AK12,AK15
3078012	AW Series	6	AW13S
3078014	AW Series	23	AW17S

### K-TORK -- ACTUATORS

PMV No.	Ref No.	Required Spindle*	Actuator Model #'s
3023651	ISO 1 (SS)	23	K1, K2
3023649 **	ISO 2 (SS)	23	K3, K4, K5
3023647	ISO 3 (SS), 1.97" height	23	K6, K7

### KINETROL -- ACTUATORS

PMV No.	Ref No.	Required Spindle*	Actuator Model #'s
3080005	LK-PK-059	30	05
3080010	LK-PK-079	30	07
3080012	LK-PK-089	30	08
3080015	LK-PK-099	30	09
3080020	LK-PK-109	30	10
3080025	LK-PK-129	30	12
3080030	LK-PK-149	30	14
3080035	LK-PK-169/189	30	16
3080041	LK-PK-189	30	18
3080045	LK-PK-209	30	20
3591050*	Retrofit	23	sizes 7-14

\*Only use if replacing a Kinetrol positioner

\*\*SEE PAGE 12

Note: See "Terms and Conditions" for explanation of discount schedule.

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## Mounting Kits

### Linear Conversion Kits:

PMV No.	Ref No.	Required Spindle*	Actuator Model #'s
3529415	Linear Conversion Arm SET	5	***
3018364	PLA-002	5	Globe style (fork & pin type arm) up 13.75" strok ITT/Fabri,Knife Gate Valves
3529414	Namur 534-6 (ISO)	5	ISO Linear Conversion Kit (Diaphragm)
3530168	Namur 534-6 (ISO)	39	ISO Linear Conversion Kit (Diaphragm)
3093014	Universal Clamp		Universal Stem Clamp w/ 5/16" tapped hole

### LESLIE CONTROLS

PMV No.	Ref No.	Required Spindle*	Actuator Model #'s
3081027	Leslie 35	30	35
3081034	Leslie 55	30	55
3081028	Leslie 85	30	85
3081029	Leslie 85A	30	85A

### MARWIN CONTROLS

PMV No.	Ref No.	Required Spindle*	Actuator Model #'s
3023836	ISO 1 (SS)	23	52, 63, 75, 85, 100 (UT- 0,1,2,2.5,3)
3023655	ISO 3 (SS)	23	115, 125 (UT 3.5, 4)

### MASONEILAN -- ACTUATORS

PMV No.	Ref No.	Required Spindle*	Actuator Model #'s
3060015	LK-MN-04	7	CamFlex II, 36002 Ball valve 33
<b>Important: In most cases the Camflex 2 is 55° of rotation, therefore requiring a 60° front cover and ca m.</b>			
3077016	37/38	30	37/38 size 11,15,18
3077017	85	30	Series 85 size 154
3077020	LK-MN-06	30	87/88 size 6,10,16,23
3586307	D00	5	Domotor

### MATRIX -- ACTUATORS

Note: See Xomox

### McCANNA (RAMCON) -- ACTUATORS

Note: See Worcester Actuators

### MCF -- ACTUATORS

PMV No.	Ref No.	Required Spindle*	Actuator Model #'s
3023651	ISO 1 (SS)	23	MSR 20 - 350
3023650**	ISO 3 (CA)	23	MSR 550 - 1500

### MILWAUKEE -- ACTUATORS

PMV No.	Ref No.	Required Spindle*	Actuator Model #'s
3023651	ISO 1 (SS)	23	MC Series 2 - 29
3023650**	ISO 3 (CA)	23	Mc Series 58- 295

### NAF -- Actuators

PMV No.	Ref No.	Required Spindle*	Actuator Model #'s
3529790	791	39	791,290,791,292,791,000

\*\*SEE PAGE 12

Note: See "Terms and Conditions" for explanation of discount schedule.

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**Mounting Kits**

**NELES/JAMESBURY (stainless steel/bracket & coupler only) -- ACTUATORS**

<b>PMV No.</b>	<b>Ref No.</b>	<b>Spindle*</b>	<b>Actuator Model #'s</b>
3023651	ISO 1 (SS) ask for M5 bolts	23	VPVL: 05 - 300
3023649**	ISO 2 (SS) ask for M5 bolts	23	VPVL: 350 - 500
3023660	ISO 3 (2.9375" height)	23	VPVL: 550 - 700 ,55,60,65,70,
3070005	LK-SS-001	30	ST600,1200; ST160,240,290 & 440MS; QP4 & 5 (D&E QUAD), F QUAD;V400,ST1800, ST 2400 G
3070010	LK-SS-002	30	ST60,90,115 & 175MS;ST200,400
3070015	LK-SS-003	30	QP1 & 2 (B QUAD); SP25,50; SP6,9,13 & 18SR; V60
3070020	LK-SS-004	30	QP3 (C QUAD); SP100,200; SP26,36,52 & 72SR; V150
3050060	LK-SS-6	30	<b>BC 6 (X)</b>
3050061	LK-SS-20	30	BC20,BJ20, D = D.A. <b>(X)</b>
3050062	LK-SS-32	30	BC32,BJ32, J = S.R. <b>(X)</b>
3050065	LK-SS-810	30	BC/BJ 8 -10 <b>(X)</b>
3050070	LK-SS-1216	30	BC/BJ 12 - 16 <b>(X)</b>
3081015	NJ-SS-ST	30	ST 13/20/50
3023651	ISO 1 (SS), M5 bolts	23	VPJ & VP 2 & 4, B1CU 6-11
3023649**	ISO 2 (2 3/16") SS, M5 bolts	23	VPJ & VP 8 & 10
3023650	ISO 3 (CA)	23	B1CU 12-20
3023660**	ISO 3 (2 15/16"), M5 bolts	23	VPJ & VP 12, 14, & 22
3050063	LK-SS-25	30	BJ25
3591080	B1CU/JU-25	23	B1CU25, B1JU25

**(X) = Not compatible with D3 & D2**

**NIBCO -- ACTUATORS**

Required

<b>PMV No.</b>	<b>Ref No.</b>	<b>Spindle*</b>	<b>Actuator Model #'s</b>
3023651	ISO 1 (SS)	23	NP - SR 30 - 50
3023650**	ISO 3 (CA)	23	NP - SR 70

**ORION -- ACTUATORS**

Call PMV for information.

**Parker AIR CYLINDER -- ACTUATORS**

<b>PMV No.</b>	<b>Ref No.</b>	<b>Spindle*</b>	<b>Actuator Model #'s</b>
3515000	Air Cylinder	5	MAC Series- Strokes from 2-8 inches* * Use 45° cam for 2-4" stroke, 90° for 5-8" stroke

**PCC -- ACTUATORS**

Required

<b>PMV No.</b>	<b>Ref No.</b>	<b>Spindle*</b>	<b>Actuator Model #'s</b>
3023651	ISO 1 (SS)	23	F03 - F10
3023650**	ISO 3 (CA)	23	F12 - F14

**PRATT -- ACTUATORS**

Required

<b>PMV No.</b>	<b>Ref No.</b>	<b>Spindle*</b>	<b>Actuator Model #'s</b>
3081016	Pratt MDT Actuator	21	MDT Actuator

**PRO-TECH -- ACTUATORS**

Required

<b>PMV No.</b>	<b>Ref No.</b>	<b>Spindle*</b>	<b>Actuator Model #'s</b>
3023651	ISO 1 (SS)	23	72-100/200/250/300-DA 73-100/200/250/300-SR
3023650**	ISO 3 (CA)	23	72-400/500/600/700-DA 73-400/500/600/700-SR

\*\*SEE PAGE 12

Note: See "Terms and Conditions" for explanation of discount schedule.

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## Mounting Kits

### **QTRCO -- ACTUATORS**

<b>PMV No.</b>	<b>Ref No.</b>	Required <b>Spindle*</b>	<b>Actuator Model #'s</b>
3023836**	ISO 1 (SS)	23	Q03, Q04, Q05, R04, R05, R07, R10 *Requires Qtrco Adaptor plate
3023651**	ISO 1 (SS)	23	Q07, Q10
3023655**	ISO 3 (SS)	23	Q12, Q14

### **RADIUS --ACTUATORS**

<b>PMV No.</b>	<b>Ref No.</b>	Required <b>Spindle*</b>	<b>Actuator Model #'s</b>
3023651	ISO 1 (SS)	23	AD/AS - 5A - 30A
3023649**	ISO 2 (SS)	23	AD/AS - 40A - 370A
3023650**	ISO 3 (CA)	23	AD/AS - 500A - 750A

### **REMOTE CONTROL**

<b>PMV No.</b>	<b>Ref No.</b>	Required <b>Spindle*</b>	<b>Actuator Model #'s</b>
3035010	MK-RC-01	30	RC05,RC10,RC20
3035015	MK-RC-02	30	RC30,RC40
3035020	MK-RC-01 / A	30	RC50,RC60
3035025	MK-RC-01 / B	30	RC70,RC80
3023650**	ISO 3 (CA) ask for M5 bolts	23	RC270-RC280, RC1445-460
3023651	ISO 1 (SS)	23	RC220-RC260, RC1400-440
3023660	ISO 3 w/2.97 height	23	RC1480

### **ROTORK -- ACTUATORS**

<b>PMV No.</b>	<b>Ref No.</b>	Required <b>Spindle*</b>	<b>Actuator Model #'s</b>
3013200	PR-SP40 SS MTG KIT	30	SP40SS
3013210	PR-SP50 SS MTG KIT	30	SP50SS
3013220	PR-SP70 SS MTG KIT	30	SP70SS
3013221	130/160 SS MTG KIT	30	GP130,160
3013230	PR-P250 SS MTG KIT	30	P250SS
3013241	PR-P325 SS MTG KIT	30	P325SS
3013250	PR-P500 SS MTG KIT	30	P500SS
3013260	PR-P700 SS MTG KIT	30	P700SS
3591000	CP-065	23	CP S/D-065 250, 280, 335
3591010	GP-065	23	GP-065 180, 235, 280, 335, 385, 435, 485
3591020	GP-085	23	GP-085 180, 235, 280, 335, 385, 435, 485
3591030	GP-100	23	GP-100 335, 385, 435, 485, 535, 585, 635
3591040	GP271	23	GP-271 942, 962, 965, 972

### **TRIAC -- ACTUATORS (ABZ and Ultraflo)**

<b>PMV No.</b>	<b>Ref No.</b>	Required <b>Spindle*</b>	<b>Actuator Model #'s</b>
3023651	ISO 1 (SS)	23	TR20,40,80,130,200
3023651	ISO 1 (SS)	23	TR300
3023650**	ISO 3 (CA)	23	TR,500,850,1200,1750, TR2500,3500

### **TRULINE --ACTUATORS**

<b>PMV No.</b>	<b>Ref No.</b>	Required <b>Spindle*</b>	<b>Actuator Model #'s</b>
3023649**	ISO 2 (SS)	23	DA/SR 20 - 1750

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## Mounting Kits

### TYCO KEYSTONE

PMV No.	Ref No.	Required Spindle*	Actuator Model #'s
3018091	79U-003	30	79U--003
3018093	79U-006	30	79U--006,12 & MRP 4,9,14, 25
3018094	79U-065	30	79U --024, 036, 065, 066, 090, 091, 180, 181
3018076	79A - 1.5	6	79A - 0.3, 0.9, 1.5
3018090	79A - 3.0	6	79A - 3.0, 6.0,14
3018074	PKS-790-X00	6	790 through 100,200,300, 400
3018075	PKS-790-X00	6	790 through 500,600,700
3018088	Adapter for PKS	na	Required with PKS kits
3018089	Adapter for PKS	na	Required for 3018074 for size 400

### TYCO MORIN

PMV No.	Ref No.	Required Spindle*	Actuator Model #'s
3070037	PMKM1	30	79S, 79B, M6,M12, M15
3018096	ACNM1	30	79S, 79B size 20
3081030	ACNM2	23	S6,S12,B15
3081013	KM-DI-23/100	30	79B (79S) / 24-100
3081014	KM-DI-135/740	30	79B (or 79S) / 135-1150
3081044	ACNM3	23	S 23 - 100
3023649**	ISO 2 (SS)	23	B- 23,36,46,50,72,100
3023649**	ISO 2 (SS)	23	B,C,& S - 135,210,270,344,345,420,1480,1929 1930, 2380
3023655**	ISO 3 (SS)	23	B,C,& S - 370, 575, 740,944,945,1150
3023649**	ISO 2 (SS)	23	B & S - 1480, 2380
3586319	NMK04 (SS)	23	MRS/MRP all sizes except 002
3586320	NMK04 (CA)	23	MRS/MRP all sizes except 003

### ULTRAFLO -- Actuators

Note: See TRIAC Actuators

### UNITORQ -- ACTUATORS

PMV No.	Ref No.	Required Spindle*	Actuator Model #'s
3023651	ISO 1 (SS) ask for M5 bolts	23	U-30,73,103,148,222,295 M-10,20,30,52,73,103,148,222,295
3023650**	ISO 3 (CA) ask for M5 bolts	23	U-586,1213,2366,2950 M- 586, 1213, 2366, 2958, 4200

### VALTEK -- ACTUATORS

PMV No.	Ref No.	Required Spindle*	Actuator Model #'s
3540613	40613L	39	50-600 sq. inch, 1/2-4" Stroke Length
3540614	40613S	39	25-50 sq. inch, 1/2-4" Stroke Length
3540615	40613XL	39	100-600 sq. inch, 5-8" Stroke Length

**\*Use a 45 degree cam with all Valtek actuators**

### WATTS -- ACTUATORS

PMV No.	Ref No.	Required Spindle*	Actuator Model #'s
3013060	LK-SS-048	30	PA/S-180,400,1000,1500
3013061	LK-SS-049	30	PA/S-3000
3013062	LK-SS-050	30	PA/S-7000
3023651	ISO 1 (SS) ask for M5 bolts	23	750-180,400,1000,1500,2250,3000
3023650**	ISO 3 (CA) ask for M5 bolts	23	750-7000

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## Mounting Kits

### WORCESTER -- ACTUATORS (McCANNA/RAMCON)

PMV No.	Ref No.	Required	
		Spindle*	Actuator Model #'s
3013010	PWC-1039-SS	30	1039, (R27)
3013012	PWC-1539-SS	30	1539 / 2039, (R51/R93)
3013016	PWC-2539-SS	30	2539, (R157)
3013018	PWC-3039-SS	30	3039, (R258)
3013021	PWC-3339	30	3339
3013019	PWC-3539-SS	30	3539
3023660	ISO 3 (2 15/16"), M5 bolts	23	4039, 4239 (NEW NAMUR MOUNT)
3013022	PWC-XX39-SS	30	4039, 4239 (R640,R1023,R2600,R4080)
3023651**	ISO 1 (SS)	23	0539, 1039, 1539, 2039 (NAMUR MOUNT)
3023649**	ISO 2 (SS)	23	2539, 3030, 3039, 3339, 3539 (NAMUR MOUNT)
3023660	ISO 3	23	4039, 4239

### XOMOX (MATRIX)

PMV No.	Ref No.	Required	
		Spindle*	Actuator Model #'s
3014105	LK-PX-60	30	MX60
3014110	LK-PX-200	30	MX200
3014115	LK-PX-4 / 7 / 1250	30	MX450, 750, 1250
3014120	LK-PX-3000	30	MX3000

### Mounting Kits for Feedback Units

#### Mounting Kits for Stonel

3586301	PSL--001	Stonel to P1500
3586302	PSL--002	Stonel to P2000
3586306	PSL--004	Stonel to P5/EP5

#### Mounting Kits for F5 on PMV (non-P5 / EP5) Positioner

2327992	PMV F5 <b>Stand Alone</b> Feedback Unit to P2000 / P2020
3079010	PMV F5 <b>Stand Alone</b> Feedback Unit to P1500
2429141	PMV F5 <b>Stand Alone</b> Feedback Unit to PMV P4

#### Mounting Kits for Westlock, Accord, Automax

3518019	EW-18019	Switch Box to P1500 (only STD 'DD' shaft)
3518020	EW-18020	Switch Box to P2000 (only STD 'DD' shaft)
3518250	EW-18250	Switch Box to P5/EP5 (works on both Namur and 'DD' shafts)
3518032	WS-SS-18020	Switch Box to P2000 S.S. (only STD 'DD' shaft)

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## Mounting Kits

### General Mounting Kit Information

**\* Spindle**

**P1500, and the P2000 require the "C" Spindle\***

**P5 and EP5 require the "S" Spindle\***

**Required spindle does not come with mounting kit.**

**IMPORTANT: Many ISO actuators are changing their bolt requirements to metric. Please specify if you need metric bolts, otherwise standard US bolts will be shipped.**

***NAMUR, ISO Bolt Hole Pattern and Shaft Height; all require Namur spindle.***

Description	Stock #, Bracket height	Actuator Hole Pattern and shaft height		
<b>ISO 1, CA</b>	3023651	30 W x 80 L x 20 H mm	OR	1.18" W x 3.15" L x 0.79" H
<b>ISO 1, SS</b>	3023836	30 W x 80 L x 20 H mm	OR	1.18" W x 3.15" L x 0.79" H
<b>ISO 1, SS</b>	3023646, 1.5" height, use S20	30 W x 80 L x 14 H mm	OR	1.18" W x 3.15" L x 0.55" H
<b>ISO 2, SS</b>	3023649, 2.1875" height	30 W x 80 L x 30 H mm	OR	1.18" W x 3.15" L x 1.18" H
<b>ISO 3, CA</b>	3023650	30 W x 130 L x 30 H mm	OR	1.18" W x 5.12" L x 1.18" H
<b>ISO 3, SS</b>	3023655	30 W x 130 L x 30 H mm	OR	1.18" W x 5.12" L x 1.18" H
<b>ISO 3, SS</b>	3023660, 2.9375" height	30 W x 130 L x 50 H mm	OR	1.18" W x 5.12" L x 1.96" H

<b>PMV No.</b>	<b>Ref No.</b>	<b>Required Spindle*</b>
3023651	ISO 1, CA	23
3023836	3023651)	23
3023646	ISO 1, SS, 1.5" ht	<b>20</b>
3023649	ISO 2, SS, 2.1875" ht	23
3023650	ISO 3, CA	23
3023655	ISO 3, SS	23
3023660	ISO 3, SS, 2.9375" ht	23

### ***LINEAR CONVERSION***

As a RULE OF THUMB, most of the PMV designed linear conversion kits (For example, LK-EF-01) use a 30° cam for strokes between 1/2 inch and 2 inch. F or strokes between 1-1/2 inch to 5-1/2" uses a 90° cam.

\*\*SEE PAGE 12

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