

Mounting Kit Selection Manual

Top-Mount Mounting Kits for 1/4" – 2" Ball Valves

Valve		Actuator Series							
SIZE	SERIES	0539 Male Shaft	05F39* Female	10-1275 1039	15-2072 15-2275 15-2039	2375	2539	25-3075 3039	34† 36† B32† SR44†
1/4" – 1/2"	4, 44, WK70	MK530††	MK480/6††	MK501	MK506	—	—	—	MK535†
1/2"	51/52								
1/4" – 3/8"	59								
3/4"	4, 44, WK70	MK531††	MK481/6††	MK502	MK507	—	—	—	MK536†
3/4"	51/52								
1/2"	59, 82/83								
1"	4, 44, WK70	MK532††	MK482/6††	MK503	MK508	—	—	—	MK537†
1"	51/52								
3/4"	59, 82/83								
1/4" – 1"	C44	—	—	MK503	MK508	—	—	—	—
1 1/4"	4, 44, WK70	—	—	MK504	MK509	MK514	MK519	MK524	MK538†
1"	59, 82/83								
1 1/2" – 2"	4, 44, WK70	—	—	MK505	MK510	MK515	MK520	MK525	MK539†
1 1/2" – 2"	51/52								
1 1/4" – 1 1/2"	59, 82/83								
1 1/2" – 2"	C44	—	—	MK505	MK510	MK515	MK520	MK525	—

Mounting Kit Options: The composition of parts and materials for top-mount mounting kits is different from earlier mounting kits. Therefore, the kits are designated differently. Mounting kits for top-mounted valves are available in three configurations:

ORDERING EXAMPLES:

MK501: Carbon steel polyester coated bracket, on/off carbon steel (zinc plated) coupling and zinc plated and stainless steel parts including mounting bolts, lockwashers, Belleville washers, and locknut.

MK501S: Same as above with carbon steel control coupling**.

SS MK501S: All stainless steel parts with control coupling**.

*Series 05F39 actuators with female shaft use special body bolt mount brackets. Standard mounting kit includes zinc plated carbon steel bolts. 1/8" indicates optional stainless steel bolts.

† Not available with control coupling or all stainless steel parts.

†† Not available with control coupling.

** Control coupling is necessary for 2" and smaller modulating valves.

Top Mount Mounting Kits for 1/4" – 4" CPT Control Valves

Valve	Actuator Series							
SERIES	SIZE	1039 10-1275	15-2072 15-2039 20-2275	2375	2539	3039 25-3075	33-3539	4039
CPT44	1/4" & 1/2"	MK501S SSMK501S	MK506S SSMK506S	—	—	—	—	—
S44	3/4"	MK502S SSMK502S	MK507S SSMK507S	—	—	—	—	—
S51 - S52	1"	MK503S SSMK503S	MK508S SSMK508S	—	—	—	—	—
CPT51/52	1 1/2" – 2"	MK505S SSMK515S	MK510S SSMK520S	MK515S SSMK525S	MK520S	MK525S	SSMK505S	SSMK510S
CPT51/52	3" – 4"	—	MK248S	MK248S	MK171S	MK119S	MK120S	MK121S
CPT44 (151/301)	3" – 4"	—	MK248S	MK248S	MK171S	MK375S	MK120S	MK121S

Mounting Kit Options: The composition of parts and materials for top-mount mounting kits is different from earlier mounting kits. Therefore, the kits are designated differently. Mounting kits for top-mounted control valves are available in two configurations:

ORDERING EXAMPLES **MK501S:** Carbon steel polyester coated bracket, on/off zinc coated carbon steel control coupling* and stainless steel parts including mounting bolts, lockwashers, Belleville washers, and locknut. **SSMK501S:** All stainless steel parts with control coupling.*

*Control couplings are necessary for control valves.

Series 818 and 828 Full-Port Flanged Ball Valves

Valve Size and Series	2030 15-2072	2539	3039	3339 3539	4039	4239	4539	20-2375	2575 3075	B32	3032
2" 818/828 AF 818/828 FZ 818/828	MK600 MK600S	MK601 MK601S	MK602 MK602S	MK603 MK603S	—	—	—	MK622 MK622S	MK624 MK624S	MK630	—
3" 818 AF 818	MK604 MK604S	MK605 MK605S	MK606 MK606S	MK607 MK607S	—	—	—	MK623 MK623S	MK625 MK625S	—	MK631
4" 818, AF 818 3" 828, AF 828	—	MK608 MK608S	MK609 MK609S	MK610 MK610S	MK611 MK611S	—	—	—	MK626 MK626S	—	MK632
6" 818, AF 818 4" 828, AF 828	—	MK612	MK613	MK614	MK615	—	—	—	MK627	—	MK633
8" 818, AF 818 6" 828, AF 828	—	—	—	MK616	MK617	MK618	MK628	—	—	—	—
8" 828, AF 828	—	—	—	MK619	MK620	MK621	MK629	—	—	—	—

Series E818 and E828 Full-Port Flanged Fugitive Emissions Ball Valves

Valve Size and Series	2030 15-2072	2539	3039	3339 3539	4039	4239	4539	20-2375	2575 3075	B32	3032
2" E818/828 EAF 818/828	MK634 MK634S	MK635 MK635S	MK636 MK636S	MK637 MK637S	—	—	—	MK656 MK656S	MK658 MK658S	MK664	—
3" E818 EAF 818	MK638 MK638S	MK639 MK639S	MK640 MK640S	MK641 MK641S	—	—	—	MK657 MK657S	MK659 MK659S	—	MK665
4" E818, EAF 818 3" E828, EAF 828	—	MK642 MK642S	MK643 MK643S	MK644 MK644S	MK645 MK645S	—	—	—	MK660 MK660S	—	MK666
6" E818, EAF 818 4" E828, EAF 828	—	MK646	MK647	MK648	MK649	—	—	—	MK661	—	MK667
8" E818, EAF 818 6" E828, EAF 828	—	—	—	MK650	MK651	MK652	MK662	—	—	—	—
8" E828, EAF 828	—	—	—	MK653	MK654	MK655	MK663	—	—	—	—

Mounting Kits for Large Ball Valves and Series CPT94 Control Valves

Standard mounting kits all have three digit numbers and include a standard coupling. **Suffix “S”** means a control coupling is used. **Suffix “/S”** means a control coupling is used and can be ordered as an option.

For Large Ball Valves

Valve		Actuator Series						
SERIES	SIZE	15-2072 15-2039 15-2375	2539	3039 25-3075	33-3539	4039	42-4539	B32
59, AF 59, PT59, W59, 45-W45, PT45	2" 2½"	MK283/S	MK284	MK285	MK286	—	—	MK282
4 (151/301), FZ51/FZ52, PT 44 (151/301), W52, PT 51/52, W4 (301), PT45, CL51/ CL52, NC4/C4, 45/W45, C51/NC51	3" – 4"	MK248/S	MK171/S	MK375/S	MK120/S	MK121/S	—	—
	6"	—	MK249	MK250	MK123	MK124	MK125	—
51/52 D51 AF51 / AF52	3" – 4"	MK248/S	MK171/S	MK119/S	MK120/S	MK121/S	—	—
	6" – 8"	—	MK249	MK250	MK123	MK124	MK125	—
51/52, AF51/AF52	10"	—	—	—	—	MK316	MK324	—
59, W59, PT59	3"	MK248/S	MK171/S	MK119/S	MK120/S	MK121/S	—	—
59, W59, PT59	4"	—	MK249	MK250	MK123	MK124	MK125	—
82/83 AF82/AF83	2"	MK283/S	MK284	MK285	MK286	—	—	MK282
	2½" & 3"	MK248/S	MK171/S	MK119/S	MK120/S	MK121/S	—	—
	4"	MK248/S	MK171/S	MK119/S	MK120/S	MK121/S	—	—
	6"	—	MK249	MK250	MK123	MK124	MK125	—
	8" 10"	—	—	—	—	MK316	MK324	—

CPT94 Control Valves

Valve		Actuator Series					
SERIES	SIZE	1039 10-1275	15-2072 15-2039 15-2375	2539	3039 25-3075	33-3539	4039
CPT94	½" – ¾"	MK325S	MK326S	—	—	—	—
CPT94-150 CPT94-300	½" – ¾"	MK325S	MK326S	—	—	—	—
CPT94, CPT94-150 CPT94-300 CPT94-600	1"	MK327S	MK328S	—	—	—	—
	1½" – 2"	MK329S	MK330S	MK331S	MK332S	—	—
CPT94-150, CPT94-300	3" – 4"	—	MK333S	MK334S	MK335S	MK336S	MK337S

Series 94 Valves

Valve		Actuator Series							
SERIES	SIZE	1039 10-1275	15-2072 15-2039 15-2375	2539	3039 25-3075	33-3539	4039	42-4539	0539 Male Shaft
94-CL94, FZ94 94-150/30	FZ94-150/300 CL94-150/3000 ½" – ¾"	MK325/S	MK326/S	—	—	—	—	—	MK533
94-CL94, FZ94 94-150/300/600 FZ-94-150/300 CL94-150/300	1" – 1¼"	MK327/S	MK328/S	—	—	—	—	—	MK534
	1½" – 2"	MK329/S	MK330/S	MK331/S	MK332/S	—	—	—	—
94-150/300 AF/FZ94-150/300 CL94-150/300	3" – 4"	—	MK333/S	MK334/S	MK335/S	MK336/S	MK337/S	—	—
94-150 94-300 AF/FZ 94 150/30	6"	—	—	—	MK338	MK339	MK340	MK341	—

Series 94 Valves

		Actuator Series				
SERIES	SIZE	1039 10-1275	15-2072 15-2039 15-2375	2539	25-3075 3039	33-3539
TB59	1"	MK526 SSMK526*	MK527 SSMK527*	—	—	—
	1½"	MK528 SSMK528*	MK529 SSMK529*	—	—	—
	2"	—	MK388	MK377	MK378	—
	3"	—	—	—	MK379	MK380
	4"	—	—	—	—	MK381

Series H71 High Pressure Ball Valves

		Actuator Series			
SERIES	SIZE	15-2072 15-2039	2539	3039	33-3539
H71	½"	MK545	—	—	—
	¾"	MK547	MK548	—	—
	1"	MK540	MK541	MK542	—
	1½"	—	MK543	MK544	—
	2"	—	MK284	MK285	MK286

*Prefix "SS" designates all stainless steel parts.

Positioner To Actuator

	1039	15-2039	2539	3039	33-3539	4039	42-4539
POSITIONER							
PM 15 COMPLETE KIT	MK191	MK192	MK193	MK194	MK195	MK196	MK197
Series 93 Pulsair III	MK930	MK930	MK931	MK931	MK931	MK932	MK932

Modular Accessory System To Series 39 Actuator

Actuator Size	05	10	15 20	25	30	33 35	40
STANDARD	MK382	MK369	MK370	MK371	MK372	MK373	MK374
WITH OPTIONAL POSITION INDICATOR SCALE	—	MK369P	MK370P	MK371P	MK372P	MK373P	MK374P

Flowserve Corporation has established industry leadership in the design and manufacture of its products. When properly selected, this Flowserve product is designed to perform its intended function safely during its useful life. However, the purchaser or user of Flowserve products should be aware that Flowserve products might be used in numerous applications under a wide variety of industrial service conditions. Although Flowserve can (and often does) provide general guidelines, it cannot provide specific data and warnings for all possible applications. The purchaser/user must therefore assume the ultimate responsibility for the proper sizing and selection, installation, operation, and maintenance of Flowserve products. The purchaser/user should read and understand the Installation Operation Maintenance (IOM) instructions included with the product, and train its employees and contractors in the safe use of Flowserve products in connection with the specific application.

While the information and specifications contained in this literature are believed to be accurate, they are supplied for informative purposes only and should not be considered certified or as a guarantee of satisfactory results by reliance thereon. Nothing contained herein is to be construed as a warranty or guarantee, express or implied, regarding any matter with respect to this product. Because Flowserve is continually improving and upgrading its product design, the specifications, dimensions and information contained herein are subject to change without notice. Should any question arise concerning these provisions, the purchaser/user should contact Flowserve Corporation at any one of its worldwide operations or offices.

For more information about Flowserve Corporation, visit www.flowserve.com or call USA 1-800-225-6989.

FLOWSERVE CORPORATION
FLOW CONTROL
 1978 Foreman Drive
 Cookeville, Tennessee 38501 USA
 Phone: 931 432 4021
 Facsimile: 931 432 5518