

Accessories

“Blank Station” Covers	
Manifold Assembly	Blank Cover Kit
K142 076	K060 20007
K142 077	
K142 230	K060 20003
K142 231	
K142 270	
K142 233	K060 20009
K142 234	
K142 235	K060 20004
K142 236	
K142 237	

DISCONTINUED

“Flush Type” Hex Drive Pipe Plugs for Port Isolation	
Part No.	Size (NPTF)
K21R02012	1/8"
K21R02025	1/4"
K21R02037	3/8"
K21R02050	1/2"
K21R02075	3/4"
K21R02100	1"
H074 72	1-1/4"
H074 30	1-1/2"

Electrical Connectors Single or Double Solenoid Valves					
Basic Size	Valve Body		Subbase/Manifold		
	Single Sol.	Double Sol.	19" Leads	72" Leads	12' Leads
1/4"	H027 17	H027 26	H027 19	—	—
3/8"					
1/2"	H027 23	H027 22	H027 13	H027 89	H027 40
1"					

Notes: Shaded units are not standard stock items.

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|| Voltage Code

Interchangeable Manual Override Assemblies for Solenoid Operators	
	
Non-Locking Type K162 001	Locking Type K152 003

Effective June 1, 1990 the Flush Locking Override replaced the Extended Knob Locking Override as the Schrader Bellows standard. The part number remains K152 003. To override valve, use a flat head screwdriver to press in and rotate plunger 90° until plunger locks in place. For proper valve operation, override should be in the out position.

Voltage Suffix Codes						
Code **	Voltage			Coil Number		Replace With
	60 Hz	50 Hz	DC	Plug-In	Flying Lead (19") *	
40	12	—	3	K593 052	K593 007	
42	24	—	6	K593 048	K593 003	
43	27	24	—	K593 061	K593 015	K593 048 / K593 003
45	—	—	12†	K593 055	K593 010	
49	—	—	24†	K593 060 K593 274‡	K593 014	
51	—	130	48†	K593 074	K593 028	
53	120†	110	—	K593 071 K593 125‡	K593 025	
57	240†	220	—	K593 081	K593 035	
60	—	—	90	—	K393 020	
61	—	—	120	—	K593 041	

Notes: Shaded areas are no longer available.

Bold Face type indicated primary coil rating.

† - Indicates voltages approved for solenoid operators designed for use in hazardous locations. (See page 87.)

* - 19" Coil lead length is standard. Other lead lengths may be available, consult supplier.

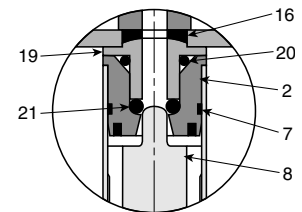
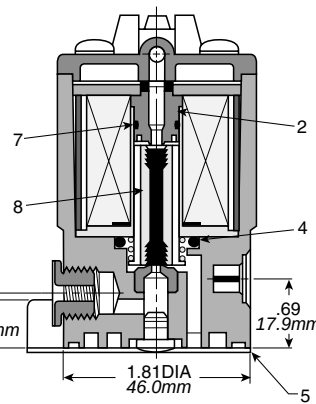
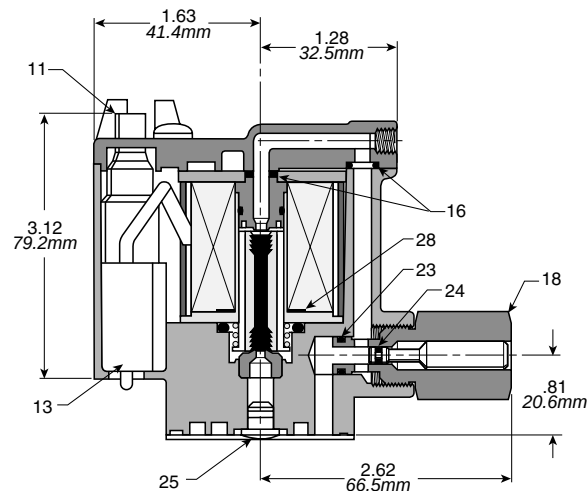
‡ - Assembly includes indicator light socket, less light.



Replacement Pilots

Description	Standard Service		Special Service	
	Locking	Non-Locking	Locking	Non-Locking
With Override (120VAC)	K175 9035 53	K175 8035 53	K185 9025 53	K185 8025 53
With Override (Other than 120VAC)	K175 3035 **	K175 2035 **	K185 3025 **	K185 2025 **

** See voltages on page 75.



Special Service Pilot Only

Standard Pilot Only

Parts List

Item No.	Part Number	Description
2	K423 005	Top Seat (STD. Service)
	K423 010	Top Seat (SPL. Service)
* 4	H142 13	Seal
* 5	K183 001	Gasket
* 7	H249 69	O-Ring
* 8	K343 002	Plunger (STD. Service)
	K343 001	Plunger (SPL. Service)
11	H191 05	Light (120 AC)
	H191 12	Light (24VDC)
13	K593 125	Coil 120V 60Hz / 110V 50 Hz, for Indicator Light**
	K593 071	Coil 120V 60Hz / 110V 50Hz
	K593 081	Coil 240V 60 Hz / 220V 50 Hz
	K593 048	Coil 6VDC / 12V 60Hz
	K593 055	Coil 12VDC
	K593 274	Coil 24VDC, for Indicator Light**
	K593 060	Coil 24VDC

Item No.	Part Number	Description
* 16	H142 01	Seal
18	K152 003	Override Assembly
19	K213005	Insert
* 20	H134 13	O-Ring
* 21	H134 73	O-Ring
* 23	H134 58	O-Ring
* 24	H134 62	O-Ring
25	K333 002	Plug
28	K183 108	Gasket

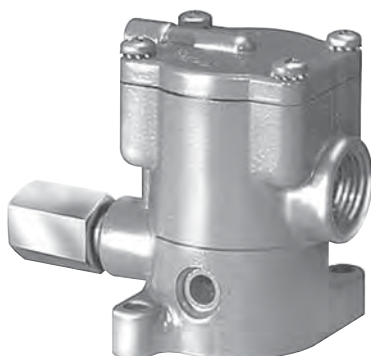
* Parts included in Service Kit. (For other voltages see page 75.)

Special Service Kit K352 366

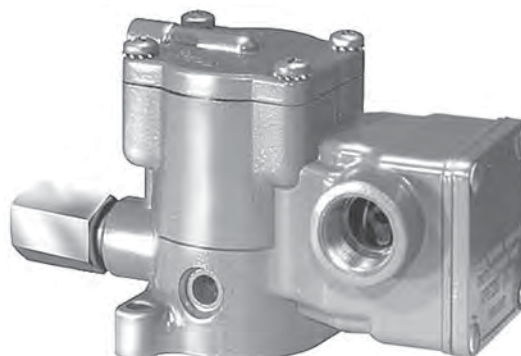
Standard Service Kit K352 166

** Light not included with coil.

Note: Shaded units are no longer available.



Basic Pilot

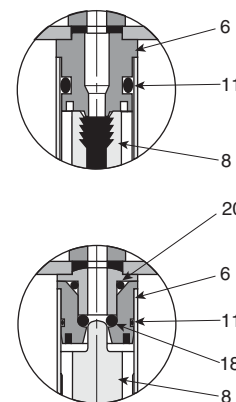
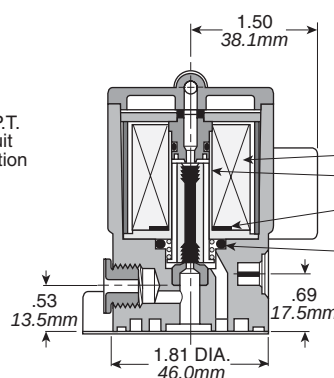
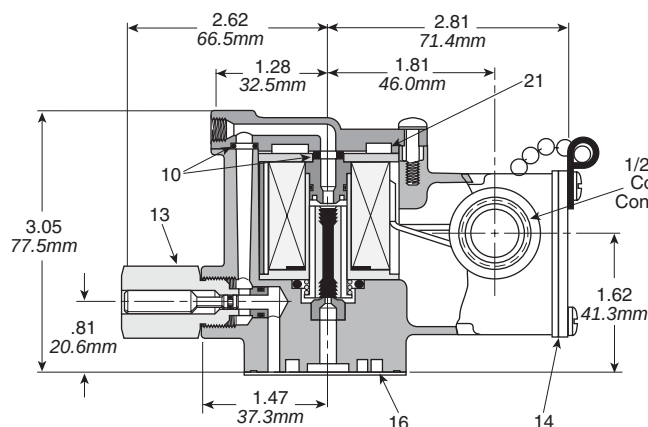


JIC Pilot

Replacement Pilots

Description	Standard Service		Special Service	
	Locking	Non-Locking	Locking	Non-Locking
Basic with Override	K065 3035**	K065 2035**	K085 3025**	K085 2025**
JIC with Junction Box & Override	K065 6035**	K065 5035**	K085 6025**	K085 5025**
JIC Pilot with Junction Box & Override & Indicator Lights (120VAC Only)	K065 9035**	K065 8035**	K085 9025**	K085 8025**

** See voltages on page 77.



Special Service
Pilot Only

Parts List

Item No.	Part Number	Description
4	K593 025	Coil 120V 60Hz / 110V 50Hz
	K593 035	Coil 240V 60Hz / 220V 50Hz
	K593 003	Coil 6VDC / 12V 60Hz
	K593 010	Coil 12VDC
	K593 014	Coil 24VDC
	K593 041	Coil 120VDC
5	H142 13	Seal
6	K423 006	Top Seat
	K423 010	Top Seat (SPL. Service Pilot)
8	K343 002	Plunger (STD. Service)
	K343 001	Plunger (SPL. Service)
* 10	H142 01	Seal
* 11	H249 69	O-Ring

Item No.	Part Number	Description
12	K272 004	Plunger Guide
13	K152 003	Override Assembly
14	K183 047	Cover Gasket
* 16	K183 001	Gasket
* 18	H134 73	O-Ring
* 20	H134 13	O-Ring
* 21	H147 01	Shock Pad
22	H191 02	120 AC Only – Indicator Light
24	K183 108	Gasket

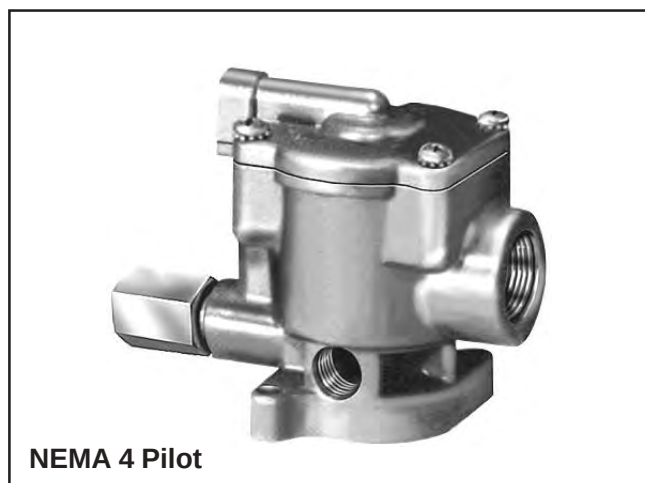
Coil leads are 19" long (For other voltages see page 75).

* Parts included in Service Kit.

Special Service Kit K352 366

Standard Service Kit K352 166

NOTE: Shaded units are no longer available.

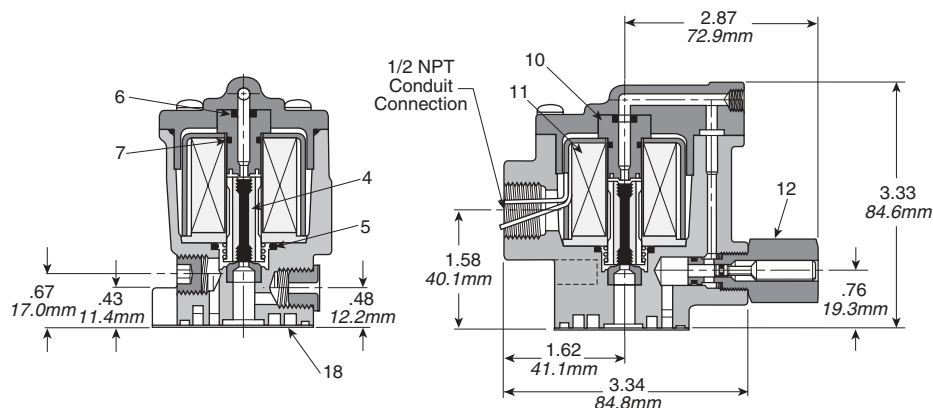


Replacement Pilots

Description	Standard Service		Special Service	
Hazardous Duty Pilot - UL & CSA	K025 1035▲ **		K045 1025▲ **	
NEMA 4 Pilot	K235 1035▲ **		K255 1025▲ **	
Override Type	Locking	Non-Locking	Locking	Non-Locking
Hazardous Duty with Override	K025 3035▲ **	K025 2035▲ **	K045 3025▲ **	K045 2025▲ **
NEMA 4 with Override	K235 3035▲ **	K235 2035▲ **	K255 3025▲ **	K255 2025▲ **

▲ 49 / 53 only

** See voltages on page 77.



NEMA 4 Rated Pilot Only

Special Service Pilot Only

Parts List

Item No.	Part Number	Description
* 4	K343 002	Plunger (STD. Service)
	K343 001	Plunger (SPL. Service)
* 5	K142 13	Seal
* 6	H134 11	O-Ring
	H134 61	O-Ring (STD. Service)
* 7	H249 69	O-Ring (SPL. Service)
10	K423 001	Top Seat
	K423 002	Top Seat (SPL. Service)
11	K593 025	Coil 120V 60Hz / 110V 50Hz
	K593 035	Coil 240V 60Hz / 220V 50Hz
	K593 003	Coil 6VDC / 12V 60Hz
	K593 010	Coil 12VDC
	K593 014	Coil 24VDC
	K593 041	Coil 120VDC

Item No.	Part Number	Description
12	K152 003	Override Assembly
* 13	H134 73	O-Ring
* 17	H137 16	Gasket (NEMA 4 Rated Pilot Only)
* 18	K183 001	Gasket

Coil leads are 19" long (For other voltages see page 75).

* Parts included in Service Kit.

Special Service Kit K352 366

Standard Service Kit K352 166

NOTE: Shaded units are no longer available.

Solenoid Enclosure Ratings

Type	Listing Agency	NEMA Rating	Description
Plug-In	CSA	1 & 12	General Purpose Indoor Only Dust Tight
Conduit / Flying Lead	CSA	1 & 12	General Purpose Indoor Only Dust Tight
* Conduit (As Specified)	UL & CSA	7 & 9	Hazardous Location (See Chart Below)
* Conduit (As Specified)	CSA	4	General Purpose Indoor / Outdoor Watertight

* See ordering information on specific valve type. (Direct Pipe Ported Valves Only.)

Hazardous Duty Solenoid Listing

Valves with solenoid operators designated for hazardous locations are UL & CSA Approved as follows:

National Electric Code	Ambient Conditions	NEMA Classification
Class I Div. 1 Group C	Ethyl, Ether, Etc., Gases & Vapors	VII (7)
Class I Div. 1 Group D	Gasoline, Etc., Gases & Vapors	VII (7)
Class I Div. 2 Group B	Butadiene, Etc., Liquid, Fluid or Vapor Normally Contained, or Atmosphere Ventilated	VII (7)
Class II Div. 1 Group E	Metal Dust	IX (9)
Class II Div. 1 Group F	Coal, Coke, Carbon Black Dust	IX (9)
Class II Div. 1 Group G	Flour, Starch, Grain Dust	IX (9)

See Article 500 - Hazardous (Classified) Locations, National Electric Code.

Voltage Code Replacement Coils & Electrical Characteristics

Voltage Code: Final Two Digits in valve model number

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Voltage Code

Voltage Code **	Voltage	Plug-In Style Coil Number	Flying Leads Coil Number	Electrical Characteristics				
				Watts	Inrush Amps	Holding Amps	V/A	
							Inrush	Hold
45	12VDC	K593 055	K593 010	8	—	.66	—	7.92
49	24VDC	K593 060	K593 014	8	—	.32	—	7.68
53	120V/60Hz	K593 125	K593 025	9	.29	.18	31.2	—
	110V/50Hz			7	.32	.22	23.1	—
57	240V/60Hz	K593 081	K593 035	13	.18	.12	41.4	—
	220V/50Hz			9	.13	.09	29.9	—

Other voltages are available, see page 75.