

## SNAPPY JOE EMERGENCY SHUTOFF VALVES FOR BULK PLANTS

**FISHER**

**N550**

Type N550 emergency shutoff valves are designed for in-line installation near a bulkhead. The valve provides a means to shut off gas in the event of hose rupture or piping break in the transfer area. Snappy Joe's are manually or pneumatically operated at the installed location or remotely. A thermal release is built in.

### VALVES BULK PLANT

RMI Part No.	Inlet / Outlet	Flow Rate
N550-10	1 1/4"	125 gpm
N550-16	2"	150 gpm
N550-24	3"	280 gpm

### REPLACEMENT PARTS - N550 VALVES

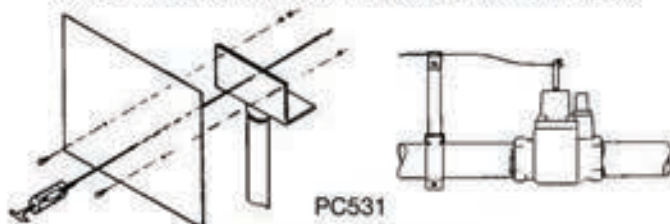
RMI Part No.	Description
P551	Retrofit Closure Kit for N550
T13090T0012	Packing Kit for N550 Series
T20714T0012	Handle for N550 Series

### ACCESSORIES-PNEUMATIC OPERATION

RMI Part No.	Description
P327D	Air Release Assembly
P539	Pneumatic Cylinder for N550
ME551	MEC open/close Cylinder

## REMOTE VALVE KITS

Complete kits for release of emergency shut-off valves.


**PC531**

### MANUAL CONTROL KITS

Includes release valve and 50' cable, mounting bracket, and hardware, signs, and accessories.

RMI Part No.	Description
PC531	Manual Release Kit

### PNEUMATIC RELEASE KIT

Includes 3-way valve mounting bracket, plastic air tubing, fittings, and sign.

RMI Part No.	Description
PC530-1	1-Valve Pneumatic Kit
PC530-2	2-Valve Pneumatic Kit
PC530-3	3-Valve Pneumatic Kit
020064	100' x 1/4" plastic tubing for air

## MARSHALL EXCELSIOR EMERGENCY SHUTOFF VALVES

MEC ESVs are designed to provide rapid and positive shutdown of gas lines should a down stream rupture or piping break occur.

- Powder Coated Body
- All Stainless Internal Components
- Valves can be ordered with pneumatic release installed


**ME980-16-2F**
**ME980-10**

RMI Part No.	Description
ME980-10	1 1/4" ESV Pneumatic
ME980C-10	1 1/4" ESV Cable
ME980-16	2" ESV Pneumatic
ME980C-16	2" ESV Cable
ME980-24	3" ESV Pneumatic
ME980C-24	3" ESV Cable
ME980-16-2F	2" Flanged ESV Pneumatic
ME980-24-3F	3" Flanged ESV Pneumatic
ME980-24-4F	4" Flanged ESV Pneumatic

### Repair Parts

RMI Part No.	Description
ME980-10SRK	1 1/4" Seal Kit
ME980-16SRK	2" Seal Kit
ME980-24SRK	3" Seal Kit

## ESV ACCESSORIES


**P164C**

RMI Part No.		Description
Fisher	MEC	
-	ME980-905-25	25 ft. Cable Release
P164B	ME980-905-50	50 ft. Cable Release
P164C	ME980-905	Release Only - No Cable
P327D		Pneumatic Release
P539	ME551	Pneumatic Actuator
-	ME552	Rotary Pneumatic Actuator


**ME551**

**MINI-1**

RMI Part No.	Description
MINI-1	3-Way Pneumatic Valve
SN-PULL-V	Pull to Close Sign
SN-PUSH-V	Push to Close Sign

## PNEUMATIC ACTUATOR ACCESSORIES

### BRASS TUBE FITTINGS

Brass push-in tube fittings are DOT approved for use in air-brake systems. Simple push-in connections are virtually leak free. All male threads are coated with Loctite 516 sealant. Working pressure vacuum to 150 psig.

RMI Part No.	Description
AQ62DOT4	1/4" Tube x Tube Union
AQ64DOT4	1/4" Tube Tee
AQ68DOT4X2	1/8" MNPT x 1/4" Tube Adaptor
AQ68DOT4X4	1/4" MNPT x 1/4" Tube Adaptor
AQ69DOT4X2	1/8" MNPT x 1/4" Tube Elbow
AQ69DOT4X4	1/4" MNPT x 1/4" Tube Elbow
AQ72DOT4X2	1/8" MNPT x 1/4" Tube Branch Tee
AQ72DOT4X4	1/4" MNPT x 1/4" Tube Branch Tee

### POLY TUBING

Black polyethylene tubing is extruded from high molecular weight resin for increased stability and long term strength. Tubing contains an ultra-violet inhibitor for protection against sunlight.



RMI Part No.	Description
020064	100' coil of 1/4" tubing
020064-500	500' coil of 1/4" tubing
020064-1000	1000' spool of 1/4" tubing

### REGULATOR

Regulator for use in pneumatic systems. 0-100 psig delivery pressure, dual gauges.

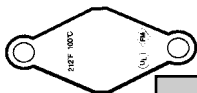


RMI Part No.	Description
REB-4-3	CO <sub>2</sub> Regulator
REB-7-3	N <sub>2</sub> Regulator

## INTERNAL VALVE ACCESSORIES

### CABLE CONTROL SYSTEMS

The P650 primary cable control system will actuate all internal valves, except the 4" series.



P134



P650

RMI Part No.		Description
Fisher	MEC	
P650	MEP650	Open/Close Release w/50 ft. of Cable
P651	MEP651	Cable Release Only
P134	-	Fuse Link - 212°F
P163A	-	25' Auxiliary Release
P164A	-	50' Auxiliary Release

### LATCH & REMOTE RELEASES

Internal valve lever can be latched open and closed by pulling the cable attached to release pull ring.



RMI Part No.		Description
Fisher	MEC	
P341	ME990-10-902	Release for 1 1/4" Internal Valves
P342	-	Bi-Directional Release for 1 1/4" Internal Valves
P340	MEP990-24	Manual Latch for 2" and 3" Internal Valves
P313	MEP990-4F	Latch Release for 4" Internal Valves

### 4" VALVE ACCESSORIES

P315 manual remote release allows closing of valve. Cable linkage and mounting hardware are included.

RMI Part No.	Description
P315	Remote release for 4" Internal Valve
P314	40 ft. Cable for use with cable release



### PNEUMATIC ACTUATORS

All internal valves can be fitted with an air operated cylinder for remote valve operation.



ME226

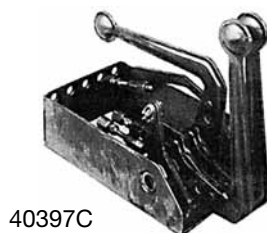


ME206

RMI Part No.		Valve Size	Description
Fisher	MEC		
P389	-	1 1/4"	Pneumatic Cylinder
P631	ME205	1 1/4"	Airbrake Style Rotary Actuator
-	ME225	1 1/4"	Rotary Actuator
P639	ME206	2" - 3"	Airbrake Style Rotary Actuator
-	ME226	2" - 3"	Rotary Actuator
P623	ME207	3" DBL Flange	Airbrake Style Rotary Actuator
-	ME227	3" DBL Flange	Rotary Actuator
P613	ME207SF	3" SINGL Flange	Airbrake Style Rotary Actuator
P614	ME208SF	4" Flanged	Airbrake Style Rotary Actuator
-	ME228	4" Flanged	Rotary Actuator
-	ME707	All Valves	Quick Release Valve
-	ME205R	1 1/4"	Rego 1 1/4" Internal
-	ME710	Flomatic	Actuator for 3-Way Valve

### ALLEGHENY UNIVERSAL MECHANICAL OPERATOR

RMI Part No.	Number of Levers
40397A	1
40397B	2
40397C	3
20040A001	Adjusting Bolt Assy.



40397C



## FISHER BACK CHECK VALVES



G100

Back check valves provide flow protection to container openings or liquid lines where flow is intended for one direction. The valve is normally closed until pressure activates the valve when flow is directed into piping or containers causing the back check to open. When flow stops or reverses, the check returns to the closed position.

RMI Part No.		Inlet Connection	Outlet Connection	Seat Construction	Propane Flow GPM
Brass	Steel				
G100		3/4" FNPT	3/4"	Metal	21
G101		1 1/4" FNPT	1 1/4"	Metal	55
G102	G112	2" FNPT	2"	Metal	150
G109		2" FNPT	2"	Metal	150
G104		3" FNPT	3"	Metal	250
	G105	2" MNPT & 1 1/4" FNPT	2"	Soft	137.5
	G106	3" FNPT	3"	Soft	254
	G107	3" MNPT & 2" MNPT	3"	Soft	254

## FISHER G200 & G201 BACK CHECK VALVES

### G200 BACK CHECK VALVES W/ FLOW INDICATOR

The G200 series back check valves are specifically intended for heavy, in-line service at the bulk plant's transfer area. The G200 series permits flow in one direction only.



G201

RMI Part No.		Inlet/Outlet	Flow
Flow Indicator	Standard		
G201-10	G200-10	1 1/4" FNPT	125 gpm
G201-16	G200-16	2" FNPT	200 gpm
G201-24	G200-24	3" FNPT	300 gpm

## CORKEN FLO-CHECK VALVE WITH FLOW INDICATOR

Flow indicating and soft seat back check valve features all ductile iron construction.



FC200

RMI Part No.	Pipe Size	Length
FC125	1 1/4"	5 1/16"
FC150	1 1/2"	5 1/16"
FC200	2"	8 1/2"
FC250	2 1/2"	8 1/2"
FC300	3"	9 1/4"
FC400	4"	9 1/4"

## MARSHALL EXCELSIOR BACK CHECK VALVES



ME870S-16

RMI Part No.		Inlet Connection	Outlet Connection	Removable Soft Seat	Propane Flow GPM
Brass	Steel				
ME870-6	ME870S-6	3/4" FNPT	3/4"	Yes	24
ME870-10	ME870S-10	1 1/4" FNPT	1 1/4"	Yes	61
ME870-16	ME870S-16	2" FNPT	2"	Yes	187
	ME870S-16	2" FNPT	2"	Yes	187
	ME870S-24	3" FNPT	3"	Yes	449
	ME870SBN-24	3" FNPT	3"	Bonded Seat	449
	ME872S-24	3" MNPT & 2" FNPT	3"	Yes	449
	ME872SBN-24	3" MNPT & 2" FNPT	3"	Bonded Seat	449

## SVC Series



Swing check valves are used for multiple pump installations and certain vaporizer installation.

- 600 PSIG screwed bronze.
- Horizontal swing type.

## SWING CHECK VALVES

RMI Part No.	Size	Length	Weight Lbs.
SVC050	1/2"	2.63"	0.7
SVC075	3/4"	3.13"	1.1
SVC100	1"	3.75"	1.7
SVC125	1 1/4"	4.75"	3.2
SVC150	1 1/2"	4.94"	4.8
SVC200	2"	5.81"	8.5

## MARSHALL EXCELSIOR SWING CHECK VALVES

Heavy duty soft seated check valves provide positive seal to prevent reverse product flow. Installation of a flow indicating swing check upstream of the pump allows the operator to observe product flow and make pump adjustments for maximum flow without cavitation.



ME981-16

RMI Part No.	Size	Flow Indicator
ME981-6	3/4" FNPT	YES
ME981-8	1" FNPT	YES
ME981-10	1 1/4" FNPT	YES
ME981-16	2" FNPT	YES
ME981-24	3" FNPT	YES
ME982-10	1 1/4" FNPT	NO
ME982-16	2" FNPT	NO
ME982-24	3" FNPT	NO
ME981-16-2F	2" 300# FLANGE	YES
ME981-24-3F	3" 300# FLANGE	YES
ME981-24-4F	4" 300# FLANGE	YES
ME982-16-2F	2" 300# FLANGE	NO
ME982-24-3F	3" 300# FLANGE	NO
ME982-24-4F	4" 300# FLANGE	NO

## LARGE FILLER VALVE

Type D138-D141 filler valves are for use on bobtails and transports as well as bulk plant storage tanks. The D138 and D139 single back check valves require either a supplementary back check ("G" Series) or manual shut-off valve.



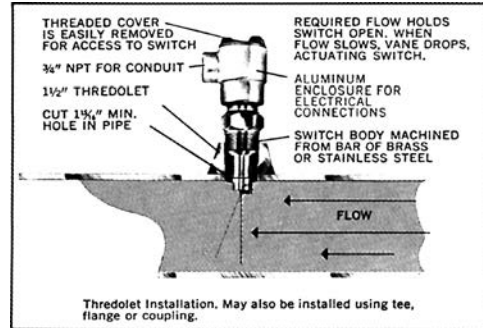
D138, D139

RMI Part No.	Container Connection	Line Connection*	Back Check	Filling Capacity**	Use w/Steel Back Check Valve
D140	2" MNPT	2 1/4"	Double	100 gpm	
D138		M. Acme	Single	105 gpm	G112/G107
D141	3" MNPT	3 1/4"	Double	225 gpm	
D139		M. Acme	Single	275 gpm	G104

\* For ring and chain assembly, order Part No. P167

\*\* Capacity @ 10 PSIG differential pressure.

## ELECTRIC OPERATED ACTUATOR



Explosion proof vane-operated switch that detects product flow in piping. Especially useful on bob-tails when wired to solenoid-type control on carburetor to advance engine throttle during product transfer operations.

V6EPBSS60 installation diagram

RMI Part No.	Description
V6EPBSS60	Flotect Switch

## SIGHT FLOW

- Cast Bronze Body
- 3/4" -450 psi Working Pressure
- 1" -400 psi Working Pressure
- Low Pressure Drop
- Does NOT Have a Back Check

RMI Part No.	Description	Length
1532-0240	3/4" Sight Flow	4 1/8"
1532-0250	1" Sight Flow	4 1/8"
1532-0260	1 1/4" Sight Flow	5 1/4"
1500RK-0100B	Repair Kit*	3/4" & 1"
1500RK-0200B		1 1/4"



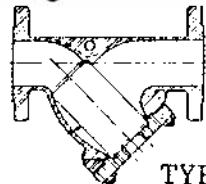
1500 Series

\*Includes top and bottom seals, glass, gaskets and instructions

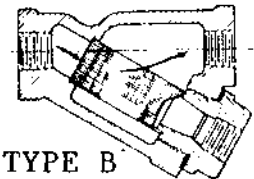
## STRAINERS



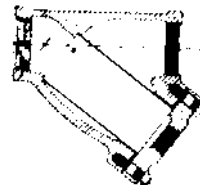
Ductile Iron Body, Stainless Steel 40 mesh screen for recommended protection of pumps and meters and point of transfer as per NFPA 58.



TYPE A



TYPE B



TYPE C

## SIGHT FLOW INDICATOR



MARSHALL EXCELSIOR VALVE

Enables visual inspection of liquid flow conditions. Includes integral swing check serving as back check valve. May be used as an emergency shutoff valve.

RMI Part No.	Description
ME875S-16	2" Sight Flow
ME875S-24	3" Sight Flow

RMI Part No.		Size	Type	Blow Off
Open Blow Off	With Plug Installed			
N260-04	N260-04P	1/2"	B	1/2"
N260-06	N260-06P	3/4"	B	1/2"
N260-08	N260-08P	1"	B	3/4"
N260-10	N260-10	1 1/4"	B	3/4"
N260-12	N260-12P	1 1/2"	B	1"
N260-16	N260-16P	2"	B	1"
N260-16C		2"	C	1"
N260-24C	N260-24P	3"	C	1 1/4"
N260-24F		3" FLANGED	A	1 1/4"
N260-24F		4" FLANGED	A	1 1/4"



## BASE ENGINEERING

### BASE BOBTAIL REMOTE SHUTDOWN SYSTEMS

- Compact polycarbonate receivers are easily installed using prewired electrical harness.
- External antenna provides up to 1000 ft. operating range.
- Internal diagnostics monitor battery levels, signal connection and wiring faults for easy troubleshooting.
- Systems are available with up to five (5) functions including query feature.

RMI Part No.	Description
ASKWD100F	1 Function System for REGO Flomatic
ASKWD100A	1 Function System for Pneumatic Internal Valves
ASKWD200F	2 Function System for REGO Flomatic
ASKWD200A	2 Function System for Pneumatic Internal Valves
<b>*Replacement Transmitters</b>	
ASKW100TX	1 Function Transmitter
ASKW200TX	2 Function Transmitter

\*ASKW series is not compatible with the original RVC series system.



### BASE ENGINEERING TRANSPORT PASSIVE SHUTDOWN SYSTEMS

Leak detection systems to be used on transports to comply with DOT requirements for passive shut off. The system continually monitors the off-loading procedures for a rapid change in discharge pressure.

RMI Part No.	Description
LDS60	Transport Leak Detection System
LDS100	System with Engine Shut Down
LDS200AQR	System with Query Function



LDS60



LDS100



LDS200AQR

### BASE ENGINEERING DRIVER AUTHORIZATION SYSTEMS

Driver authorization systems are designed for commercial vehicles and prevent unauthorized engine start or movement.

#### SYSTEM INCLUDES:

- Keypad unit with hidden enclosure screws
- Sealed engine kill relay
- Components are pre-wired with quick connect electrical fittings.



RMI Part No.	Description
DAS1000-AB	Security system for vehicle with air switch
DAS1000-AT	Security system for vehicle with automatic transmission
DAS1000-IG	Security system for any vehicle

### BULK PLANT WIRELESS SHUTDOWN

Bulk plant wireless emergency shutdown allows for the addition of additional shutdown locations without the need to run additional pneumatic tubing. System can be ordered with solenoid factory installed in receiver.



Standard wall mount E-Stop switch



Optional handheld E-Stop available for any system

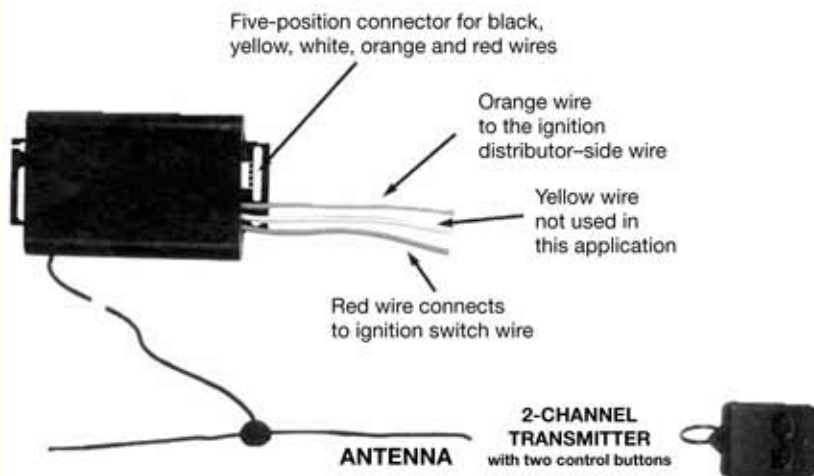
RMI Part No.	Description
ASKFA100-AC	Battery operated wireless emergency bulk plant shutdown



## 3200 SERIES PROPANE TECHNOLOGIES REMOTE SHUTOFF SYSTEM

### 2-CHANNEL RECEIVER

wired with standard two relays and lockout feature



- Economical system that is easy to install
- Transmitter operates up to 300ft from Bobtail
- 2nd Channel option allows for operation of throttle, hose reel control or query feature

### BOBTAILS

RMI Part No.	Description
3200-FGL	Remote shutoff for REGO Flomatic
3200-FTGL	Shutoff for Flomatic with 2 transmitters
3200-FGLV	Remote shutoff for PNEUMATIC internal transmitters
3200-FTGL	Shutoff for PNEUMATIC valves with transmitters

### REPLACEMENT PARTS - ACCESSORIES

RMI Part No.	Description
VAP227G	Replacement transmitter
33P012DC	Solenoid valve with bracket
VAP338BR	2nd channel relay kit

- An easy to use and install system that meets or exceeds current DOT requirements
- Automatically shuts off the flow of gas without human intervention
- Provides an off truck remote to close internal valve during unloading process
- Works with any hose, even where a facility hose is utilized

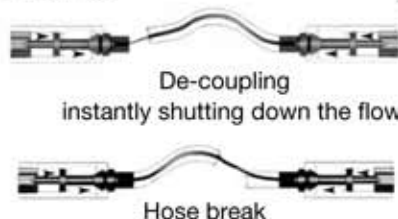
### BREAKGUARD PASSIVE SHUTOFF SYSTEM

RMI Part No.	Description
3200-PA	Breakguard passive shutoff system
3200-PA-VELCRO	Replacement velcro
BREAKGUARD-1	Replacement transmitter

## SMART-HOSE PASSIVE SHUT-DOWN SYSTEM - DOT & FACILITY LIFELINE 1 AND LIFELINE 3

The Smart-Hoses meets the requirements of the DOT standards and additions to NFPA for a passive shut-down system. The patented system features an internal cable connected to normally unseated "valve plungers or wedges" located on each end of the cable. In the event of coupling-to-hose separation, stretching to the point of an unsafe condition or hose severance, the valve "wedges" are released and instantly seat, stopping the flow in both directions.

- Complies with HM-225
- Provides advanced safety
- Prevents loss of product
- Prevents property damage
- Possible insurance savings
- Low yearly cost due to long service life
- An added field maintenance beyond normal hose inspection
- Recovery recoupling program available



normal delivery operation  
Smart-Hose shown in failure situations,

### 1" SMART-HOSE ASSEMBLIES

RMI Part No.	Description
CG-LPG-16-R10	1' x 10' Smart-Hose
CG-LPG-16-R15	1' x 15' Smart-Hose
CG-LPG-16-R20	1' x 20' Smart-Hose
CG-LPG-16-R25	1' x 25' Smart-Hose
CG-LPG-16-R30	1' x 30' Smart-Hose

### FACILITY HOSE

RMI Part No.	Description
CG-LPG-32-R10-3F	2' x 10' Facility-Hose*
CG-LPG-32-R15-3F	2' x 15' Facility-Hose*

\*Not for DOT applications.

### PROWRAP HOSE PROTECTION

RMI Part No.	Description
PWLD-32	12.5' Length

### 1 1/4" SMART-HOSE ASSEMBLIES

RMI Part No.	Description
CG-LPG-20-R10	1 1/4' x 10' Smart-Hose
CG-LPG-20-R15	1 1/4' x 15' Smart-Hose
CG-LPG-20-R20	1 1/4' x 20' Smart-Hose
CG-LPG-20-R25	1 1/4' x 25' Smart-Hose
CG-LPG-20-R30	1 1/4' x 30' Smart-Hose

### 2" SMART-HOSE ASSEMBLIES

RMI Part No.	Description
CG-LPG-32-R10-3	2' x 10' Lifeline 3
CG-LPG-32-R15-3	2' x 15' Lifeline 3
CG-LPG-32-R20-3	2' x 18.5' Lifeline 3
CG-LPG-32-R25-3	2' x 25' Lifeline 3
CG-LPG-32-R30-3	2' x 30' Lifeline 3

### 2" SMART-HOSE ASSEMBLIES FOR NH3

RMI Part No.	Description
CG-NH3-32-R20-3	2' X 18.5 Smart-Hose for NH3
CG-NH3-SS-32-R18.5-3	2' X 18.5' Smart-Hose S/S Braid for NH3

### Prowrap Hose Protection

- Extreme duty protection for 2" hoses
- Install without disconnecting any lines
- Tight grip prevents sliding
- 70-120° temperature range

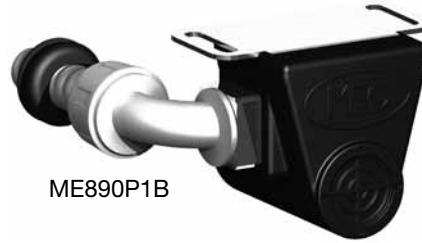
Tel: 800-628-5044

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or call for personal assistance

Fax: 800-243-8341



ME200P1BK



ME890P1B



ME217P1B



MEP801P1H

RMI Part No.	Description	Temp. Range	Accessories
ME200P1B	Sensor Bracket Assembly for ME200 Wheel Chocks	-20° to +160°F.	ME200EXT
ME200P1BK	Sensor Bracket Assembly with ME200 Wheel Chocks	-20° to +160°F.	(Standoff Extension Kit)
ME217P1B	Sensor Bracket Assembly for ME217 Series	-20° to +160°F.	MEP801PC/20 (20' Proximity Cable)
ME503P1B	Sensor Bracket Assembly for ME503-16 & ME252-6	-20° to +160°F.	
ME868P1B	Sensor Bracket Assembly for ME868 Valve Series	-20° to +160°F.	MEP801PC/30 (30' Proximity Cable)
ME801P1H	Sensor Bracket Assembly with MEP801 Hose End Valve Holster	-20° to +160°F.	
ME801P11K	Interlock Retro Fit Kit for MEP801 Hose End Valve Holster	-20° to +160°F.	Includes Water Tight Receptacle Plug
ME801P1KL	Low Temperature Interlock Retro Fit Kit for MEP801 Hose end Valve Holster	-20° to +160°F.	
ME890P1B	Universal Sensor Bracket Assembly for Enclosures	-20° to +160°F.	



MEP801P1K



MEP802PCK/20

### SMART INTERLOCK TECHNOLOGY WIRING HARNESS KITS

RMI Part No.	Description	No. of Relays	LED Power Indicator	Inline Fuse	Cable Length	Accessories
MEP801PCK/20	Wiring Harness Kit	1	Yes	Yes	20'	MEP801PC/20 (20' Proximity Cable)
MEP801PCK/30	Wiring Harness Kit	1	Yes	Yes	30'	
MEP802PCK/20	Wiring Harness Kit	2	Yes	Yes	20'	MEP801PC/30 (30' Proximity Cable)
MEP802PCK/30	Wiring Harness Kit	2	Yes	Yes	30'	
MEP803PCK/30	Wiring Harness Kit	3	Yes	Yes	30'	Includes Water Tight Receptacle Plug

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