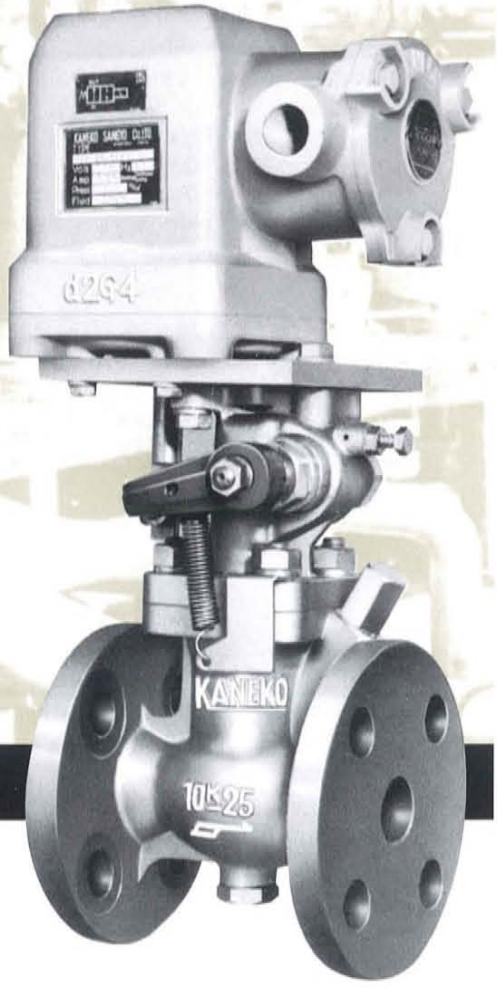
catalog No. **169a**

TWO-WAY SOLENOID VALVE

General Purpose & Explosion-proof

M30 & M31 SERIES TWO WAY SOLENOID VALVE



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SPECIFICATIONS

M30 SERIES
2 WAY SOLENOID VALVE

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M30C-A44-□S


M30C-A44-□F


M30C-AE44-□S


M30C-AE44-□F

M30 SERIES 2 WAY SOLENOID VALVE GENERAL DESCRIPTION

Solenoid valve of this model is used for On-Off control of liquid, vapor and vacuum. Provided of construction for various fluid pressure and electric source.

Pipe Size: From 15(½") to 50(2")
(65(2½")~100(4") #301
Others, for Emergency operation, Manual Reset Solenoid valve (M31 Series are provided.)

FEATURE

1. Main valve is directly connected to pilot valve, so can use even if diffencial pressure is 0.
2. Size and seat size is same, loss of pressure is very little.
3. To be used for wide range of fluid.
4. Has construction of solenoid portion does not contact to fluid, so has no effect of fluid.
5. Parts are standardized, by the system of parts stocks, even if special fluid, comparatively can deliver in short.

STANDARD SPECIFICATIONS

1. FUNCTION

(1) Normally closed type:
Valve closed when de-energized.
Valve opens when energized.
(2) Normally open type:
Valve opens when de-energized.
Valve closed when energized.

2. SIZE & Cv FLOW FACTOR

Table-1

SIZE	15(½")	20(¾")	25(1")	32(1¼")	40(1½")	50(2")
Cv Flow Factor	4.2	8.4	10.5	14.1	28.7	48.5

3. PIPE CONNECTION:

(1) Screwed: PT, NPT Under 32(1¼")
(2) Flanged: JIS, ANSI (Standard is JIS 10kg/cm^2 but stainless steel is manufactured up to JIS 30kg/cm^2)

4. MATERIAL:

(1) Main body
CAC406 . . . . . 15(½")~50(2")
SCS13A . . . . . 15(½")~50(2")
SCS14 . . . . . 15(½")~50(2")
FC200 . . . . . 40(1½"), 50(2")
(2) Seat portion
Soft seat . . . . . NBR, Viton, Neo-plane
Metal seat C6191, SUS304, SUS316
(3) Packing
NBR, Viton, Neo-plane, EPR, Teflon
(4) Inner metal portion
Copper alloy, SUS304, SUS316

5. FLUID:

Gas, Liquid, Steam

6. FLUID VISCOSITY:

to be used under Max. 250 cst (Redwood No. 1 sec 1500)

7. PRESSURE & TEMPERATURE:

Refer to Table-4. and 5

8. AMBIENT TEMPERATURE:

− 20℃ ~ + 40℃ But to be used within the range of fluid does not frozen

9. VALVE SEAT LEAKAGE:

None (In case of soft seat)

10. SOLENOIDE:

(1) CONSTRUCTION
General purpose outdoor use
Flame proof, outdoor use (JIS C0903 d2G4)

(2) CONNECTION GLAND
G½" (Standard) G¾" (In case of indication)

(3) STANDARD COIL AND CLASS OF INSULATION
Contijuous Duty Molded Class B or H
Class B . .. . . Use under 80℃ Fluid temperature
Class H . . . . . Use over 80℃ Fluid temperature

(4) STANDARD VOLTAGE
AC, 100, 110, 200, 220V 50/60Hz
DC, 24, 48, 100, 110, 125V
Other voltages available When required

(5) NORMAL OPERATING VOLTAGE RANGE
+ 10% , − 15%

(6) RATING
Continuous rating (Short time rating by request)

(7) ELECTRICAL INFORMATION (Table-2,Table-3)

AC Table-2

V/Hz	Size 15(½")~ 32(1¼")		Size 40(1½")~ 50(2")	
	Inrush	Holding	Inrush	Holding
100/50	9.0	0.55	37	1.65
100/60	9.5	0.65	41	2.0
110/60	8.5	0.50	40	1.8
200/50	5.5	0.30	20	0.8
200/60	6.0	0.33	22	0.92
220/60	5.0	0.27	21	0.9

DC Table-3

V	Size 15(½")~ 32(1¼") Holding	Size 40(1½")~ 50(2") Holding
24	1.6	2.0
48	0.8	1.0
100	0.32	0.6
110	0.34	0.4
125	0.31	0.45

11. CAUTION CLAUSES FOR USAGE:

(1) Mounting, solenoid protion should be upward to horizontal pipe lining.
(Allowable incline angle should be within 30° either front & back, left & right.

(2) Flow direction is limited.
(Secondary pressure should not be higher than primary pressure)

(3) In case of fluid is liquid, perform air drain from air drain valve.

(4) Do not painting to movalble parts

12. SPECIAL ORDER:

(1) 1/8", 1/4" and 3/8" Bushing (Only CAC Screwed Body)

(2) Terminal box (TF 60) according to JIS F8801 (For outdoor use only, Explosion proof type is enclosed)
G½" (15 a, b, c)
G¾" (20 a, b, c)

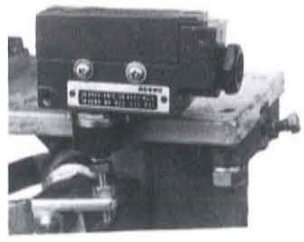
(3) Micro-switch, may be fitted to general purpose & explosion proof type.
Indication valve open
Indication valve close
Indication valve open & close
Please indicate

(4) Manual operation lever (Lock device may be provided)

(5) Dust proof cover (Available for only to normally closed type)

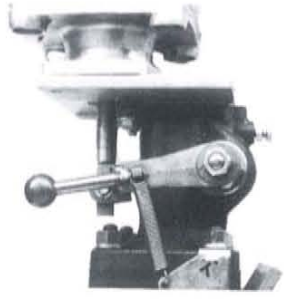
OPTION

Dust Proof Cover



Micro Switch

General Purpose Terminal Box

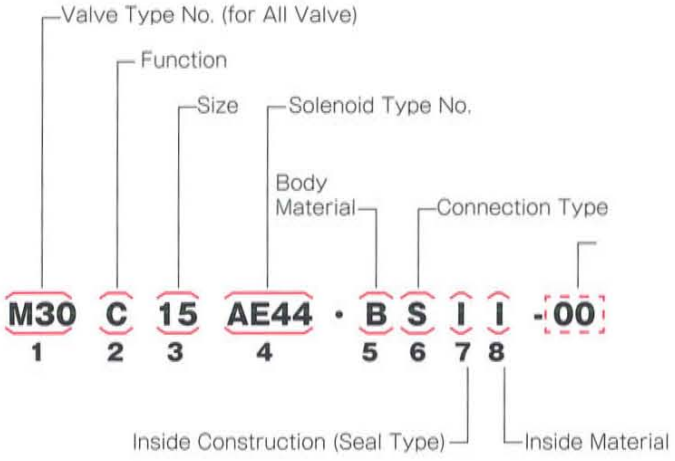


Manual Operating Lever

M30 SERIES 2 WAY SOLENOID VALVE

Silent Technology KANEKO

MODEL NO. DISCRIPTION



1. VALVE TYPE No.
In this catalogue following expression
M30: 2-way solenoid valve
M31: Manual reset 2-way solenoid valve

2. FUNCTION
C: Normally Closed(Energized open)
D: Normally Open(Energized closed)

3. SIZE
15(½"),20(¾"),25 (1"),32(1¼"),40(1½"),50(2")

4. SOLENOID MODEL No.(Different according to size)
15 to 32
A44: For AC general purpose use
D44: For DC general purpose use
AE44: For AC explosion-proof and water tight
DE44: For DC explosion-proof and water tight

40 and 50
A66: For AC general purpose use
D66: For DC general purpose use
AE66: For AC explosion-proof and water tight
DE66: For DC explosion-proof and water tight
(Note)M31series: All size to use A44, D44, AE44 and DE44

5. BODY MATERIALS
B: CAC406
S: SCS13A, SCS14(Stainless steel)
F: FC200(Cast iron. size40 and 50 only)

6. PIPE CONNECTION
S: Screwed(15 to 32 only)
F: Flanged

7. INNER CONSTRUCTION
1: Soft seal(Packing, O-ring seal)
2: Metal seal(Packing, O-ring seal)
5: Metal seal(Packing, Teflon U-packing seal)

8. INNER MATERIAL(Trimed materials)
1: C3604,C6191(Copper alloy)
2: SUS304 (In case of body material is SCS 13, whole of fluid contact portion)In case of body material is FC200 only Trim portion, Other portion is used of copper alloy. But body material CAC406 and SCS14 combination is none.
3: SUS316 (Use only in case of main boby material is SCS14)
4: SUS304 (In case of main body material is FC200, and in case of inner material is used whole of SUS304)

In cace of special specification, other then above-mentioned standard, we manufacture by request, pfease inquiry to Engineering Dept.

MODEL NO. AT WORKING PRESSURE & TEMPERATURE

Table-4

Model No.	Size	Working Press Mpa	Temp.	Remark
BS11□	15A~32A	0~2.0(1.0)	5~ 80	into ( ) 32(1¼")
BS21□			5~120	
BS51□			5~180	
BS11□		0~1.6(1.0)	5~ 80	
BF21□			5~120	
BF51□			5~180	
SS12□	15A~25A	0~3.0	5~ 80	
SS22□			5~120	
SS52□			5~200	
SF12□		0~3.0	5~ 80	
SF22□			5~120	
SF52□			5~200	

Table-5

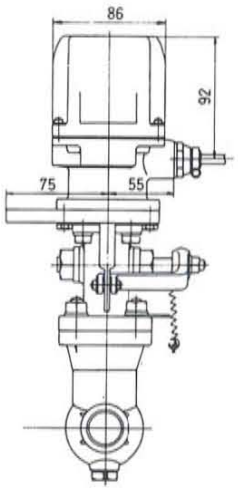
Model No.	Size	Working Press Mpa	Temp.	Remark
BF11□	40 (1½") 50 (2")	0~1.0	5~ 80	
BF21□			5~120	
BF51□			5~180	
SF12□			5~ 80	
SF22□			5~120	
SF52□			5~200	
FF1□			5~ 80	
FF2□			5~120	
FF5□			5~180	

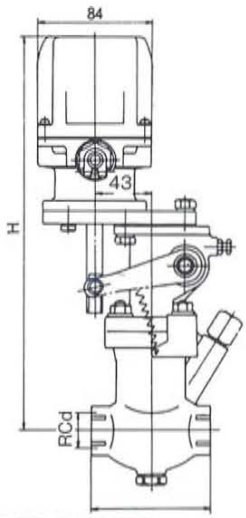
Note: In case of fluid is steam, maximum working pressure should be under 1Mpa
Above mentioned pressure changes according to Flange standard.

M30 SERIES 2 WAY SOLENOID VALVE

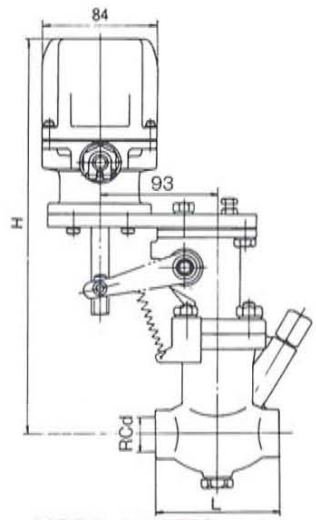
DIMENSIONS

15(½") to 32(1¼") . NORMALLY CLOSED & OPEN . AC

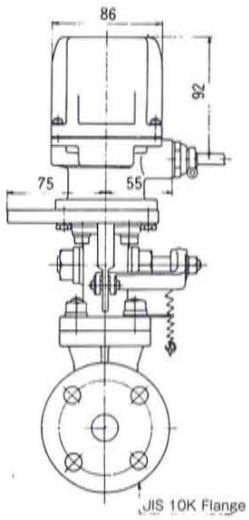


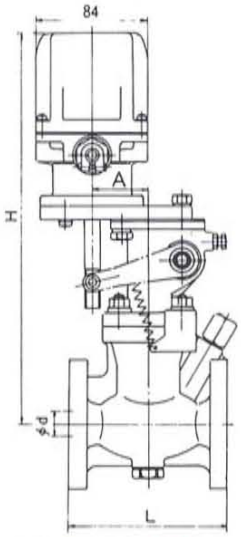


M30C-A44-□S
Normally Closed for
General Purpose · AC

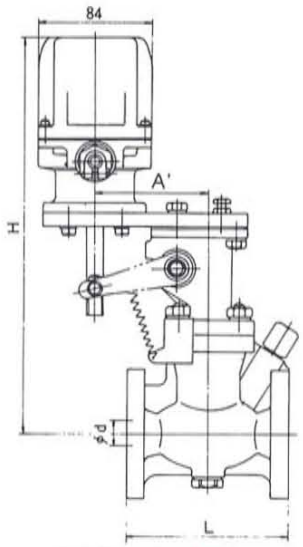


M30D-A44-□S
Normally Open for
General Purpose · AC

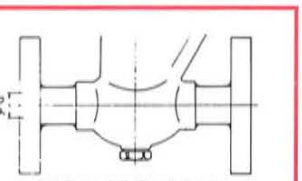




M30C-A44-□F
Normally Closed for
General Purpose · AC

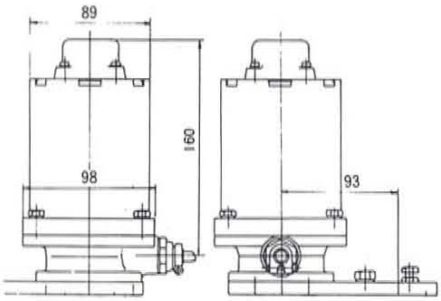


M30D-A44-□F
Normally Open for
General Purpose · AC

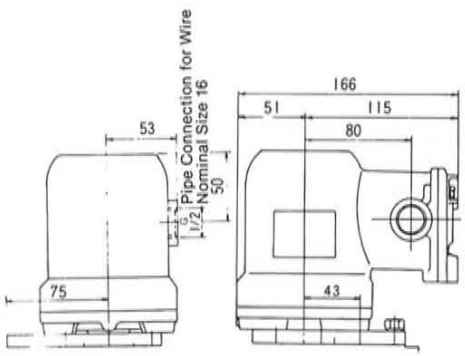


15 to 25 Stainless
Steel Body

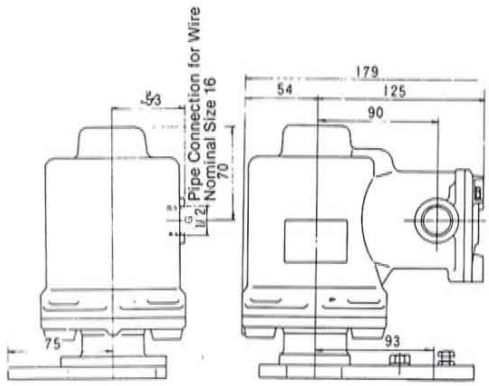
15(½") to 32(1¼") . GENERAL PURPOSE . EXPLOSION-PROOF



M30-D44
General Purpose · DC



M30-AE44
Explosion-proof · AC



M30-DE44
Explosion-proof · DC

M30 SERIES
2 WAY SOLENOID VALVE

Silent Technology KANEKO

Gun Metal Body . AC . General Purpose

Model No.	Conn.	Size d	H	L
M30□ -15-A44-BS□□	S	15	288	80
M30□ -20-A44-BS□□		20	298	90
M30□ -25-A44-BS□□		25	298	100
M30□ -32-A44-BS□□		32	303	130
M30□ -15-A44-BF□□	F	15	288	105
M30□ -20-A44-BF□□		20	298	120
M30□ -25-A44-BF□□		25	298	130
M30□ -32-A44-BF□□		32	303	155

Stainless Steel Body . AC . General Purpose

Model No.	Conn.	Size d	H	L
M30□ -15-A44-SS□□	S	15	298	100
M30□ -20-A44-SS□□		20	298	100
M30□ -25-A44-SS□□		25	298	100
M30□ -32-A44-SS□□				
M30□ -15-A44-SF□□	F	15	198	170
M30□ -20-A44-SF□□		20	298	170
M30□ -25-A44-SF□□		25	298	170
M30□ -32-A44-SF□□				

Gun Metal Body . DC . General Purpose

Model No.	Conn.	Size d	H	L
M30□ -15-D44-BS□□	S	15	338	80
M30□ -20-D44-BS□□		20	348	90
M30□ -25-D44-BS□□		25	348	100
M30□ -32-D44-BS□□		32	353	130
M30□ -15-D44-BF□□	F	15	338	105
M30□ -20-D44-BF□□		20	348	120
M30□ -25-D44-BF□□		25	348	130
M30□ -32-D44-BF□□		32	353	155

Stainless Steel Body . DC . General Purpose

Model No.	Conn.	Size d	H	L
M30□ -15-D44-SS□□	S	15	348	100
M30□ -20-D44-SS□□		20	348	100
M30□ -25-D44-SS□□		25	348	100
M30□ -32-D44-SS□□				
M30□ -15-D44-SF□□	F	15	348	170
M30□ -20-D44-SF□□		20	348	170
M30□ -25-D44-SF□□		25	348	170
M30□ -32-D44-SF□□				

Gun Metal Body . AC . Explosion-proof

Model No.	Conn.	Size d	H	L
M30□ -15-AE44-BS□□	S	15	288	80
M30□ -20-AE44-BS□□		20	298	90
M30□ -25-AE44-BS□□		25	298	100
M30□ -32-AE44-BS□□		32	303	130
M30□ -15-AE44-BF□□	F	15	288	105
M30□ -20-AE44-BF□□		20	298	120
M30□ -25-AE44-BF□□		25	298	130
M30□ -32-AE44-BF□□		32	303	155

Stainless Steel Body . AC . Explosion-proof

Model No.	Conn.	Size d	H	L
M30□ -15-AE44-SS□□	S	15	298	100
M30□ -20-AE44-SS□□		20	298	100
M30□ -25-AE44-SS□□		25	298	100
M30□ -32-AE44-SS□□				
M30□ -15-AE44-SF□□	F	15	298	170
M30□ -20-AE44-SF□□		20	298	170
M30□ -25-AE44-SF□□		25	298	170
M30□ -32-AE44-SF□□				

Gun Metal Body . DC . Explosion-proof

Model No.	Conn.	Size d	H	L
M30□ -15-DE44-BS□□	S	15	340	80
M30□ -20-DE44-BS□□		20	350	90
M30□ -25-DE44-BS□□		25	350	100
M30□ -32-DE44-BS□□		32	355	130
M30□ -15-DE44-BE□□	F	15	340	105
M30□ -20-DE44-BE□□		20	350	120
M30□ -25-DE44-BE□□		25	350	130
M30□ -32-DE44-BE□□		32	355	155

Stainless Steel Body . DC . Explosion-proof

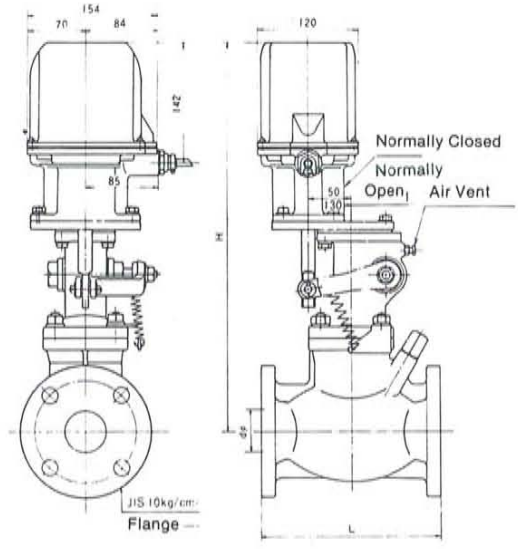
Model No.	Conn.	Size d	H	L
M30□ -15-DE44-SS□□	S	15	350	100
M30□ -20-DE44-SS□□		20	350	100
M30□ -25-DE44-SS□□		25	350	100
M30□ -32-DE44-SS□□				
M30□ -15-DE44-SF□□	F	15	350	170
M30□ -20-DE44-SF□□		20	350	170
M30□ -25-DE44-SF□□		25	350	170
M30□ -32-DE44-SF□□				

Note: S: Screwed, F: Flanged
Into □ word refer to page 6. It word denoted as function, trim material and outside construction (seal type).

Gun Metal, Stainless Steel, Cast Iron Body . AC . DC . General Purpose . Explosion-proof

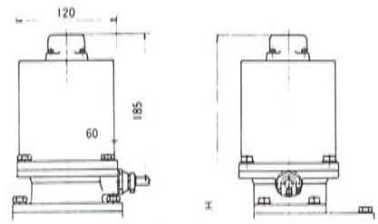
Model No.	Conn.	Size d	H	L
M30□ -40-A66-□ F□ □	Flange	40	452	185
M30□ -50-A66-□ F□ □		50	460	210
M30□ -40-D66-□ F□ □		40	450	185
M30□ -50-D66-□ F□ □		50	458	210
M30□ -40-AE66-□ F□ □		40	460	185
M30□ -50-AE66-□ F□ □		50	468	210
M30□ -40-DE66-□ F□ □		40	450	185
M30□ -50-DE66-□ F□ □		50	458	210

Note: From the end of Model No. in 4th figures, can insert B (gun metal), S (stainless steel), F (cast iron).

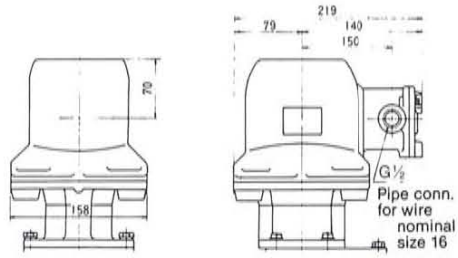


M30C-A66-□ F
Normally Closed · AC · General Purpose

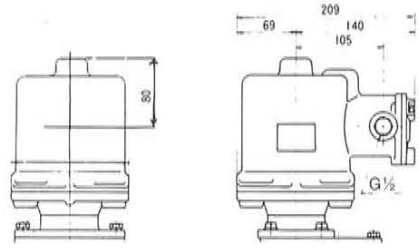
MEMO



M30□ D66-□ F
DC · General Purpose



M30□ AE66-□ F
AC · Explosion-proof



M30□ DE66-□ F
DC · Explosion-proof

FUNCTION NORMALLY CLOSED & OPEN TYPE

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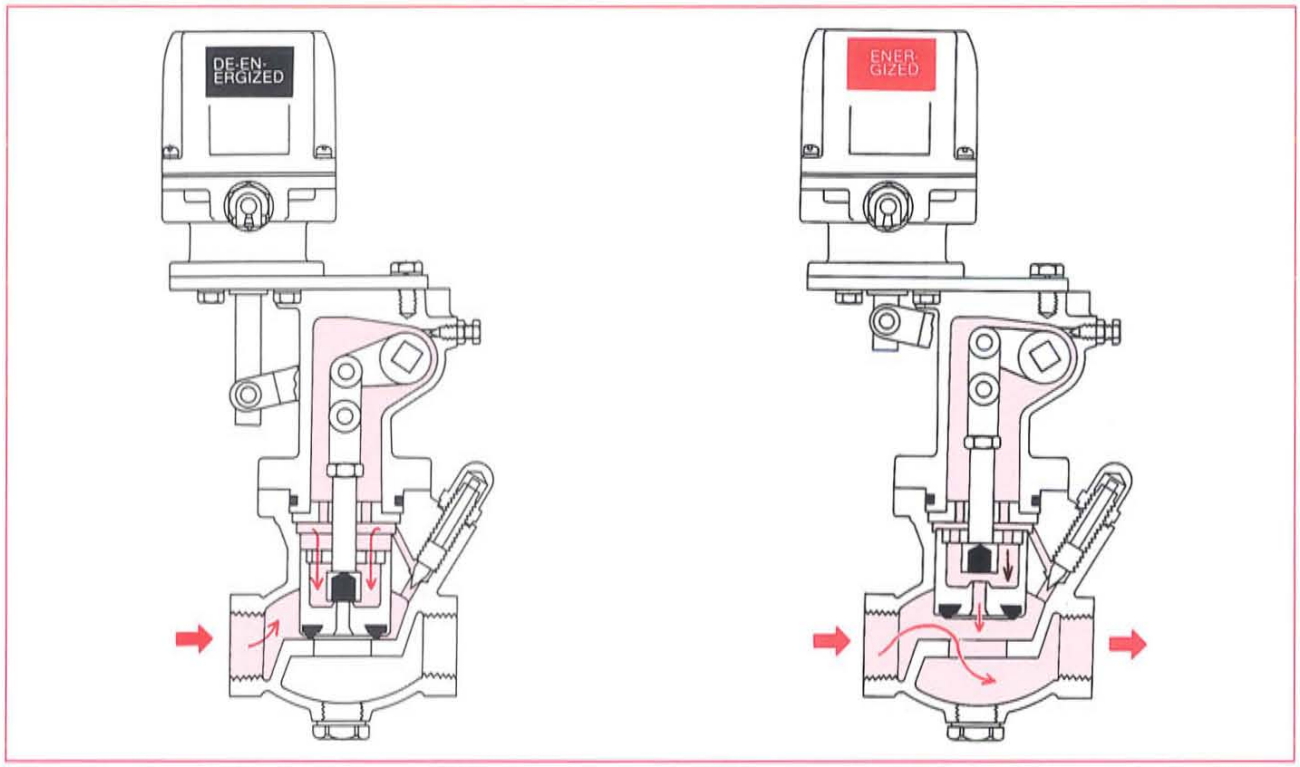
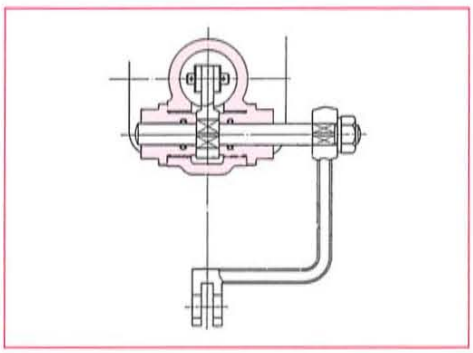
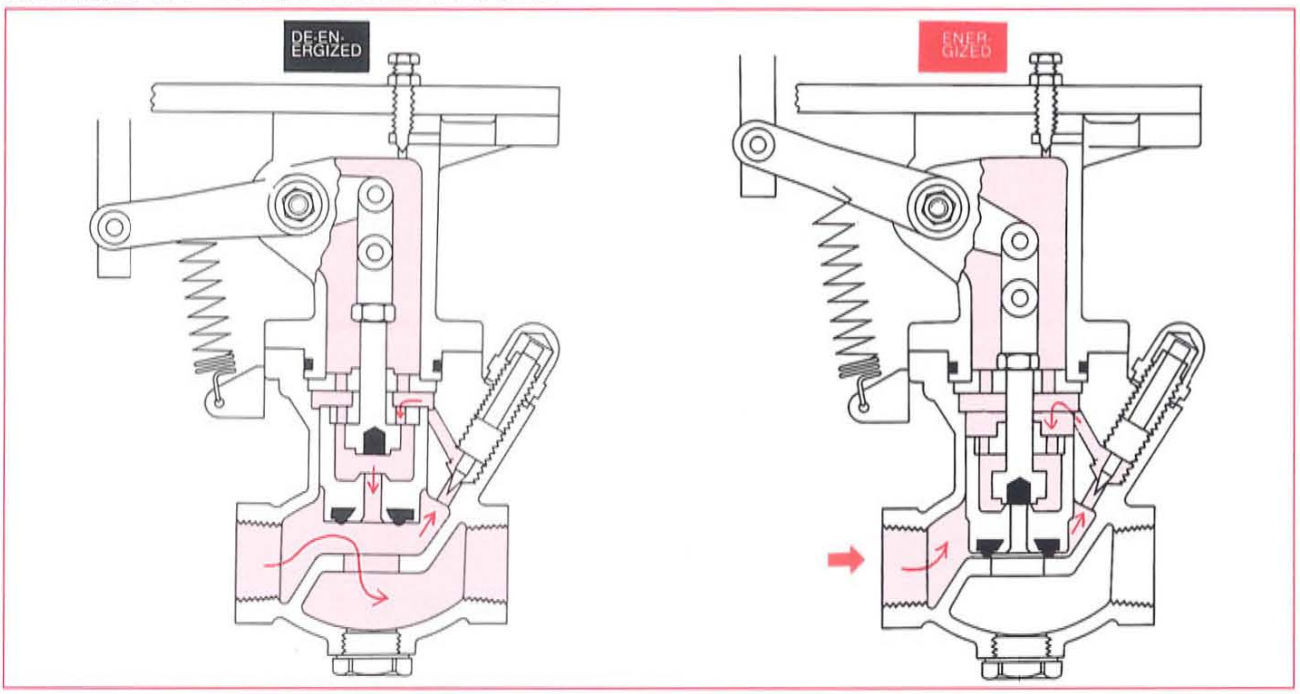
NORMALLY CLOSED·M30C SERIES



SEAL OF SPINDLE

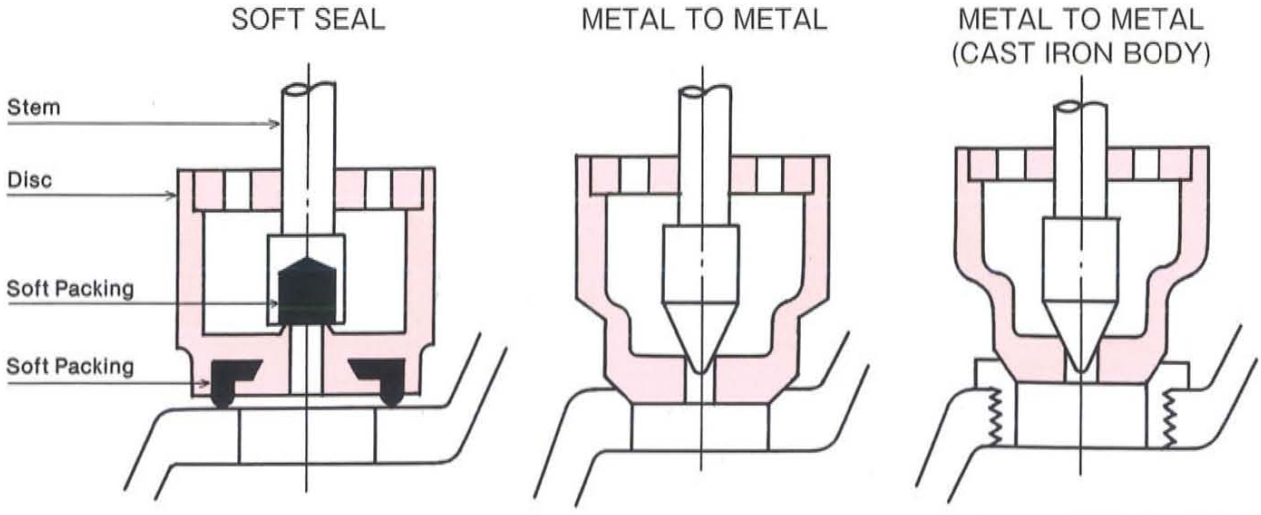


NORMALLY OPEN·M30D SERIES



EXAMPLES OF COMBINATIONS OF MATERIALS FOR SEAL PARTS

DISC SEAL TYPE



MARK OF END		BS-11 BF-11	BS-21 BF-21	BS-51 BF-51	SS-12 SF-12	SS-22 SF-22	SS-52 SF-52
BODY (15~32)		CAC406	CAC406	CAC406	SCS13A	SCS13A	SCS13A
STEM		C6191	C6191	C6191	SUS304	SUS304	SUS304
SEAL TYPE		SOFT	METAL	METAL	SOFT	METAL	METAL
PACKING		"O" ring	"O" ring	Teflon	"O" ring	"O" ring	Teflon
WORKING PRESS MPa	½"~1"	0~2.0	0~2.0	0~2.0	0~3.0	0~3.0	0~3.0
	15~25	0~1.6	0~1.6	0~1.6	0~3.0	0~3.0	0~3.0
	1-¼', 32	0~1.0	0~1.0	0~1.0			

MARK OF END	BF-11	BF-21	BF-51	SF-12	SF-22	SF-52	FF-11	FF-22	FF-52
BODY (40, 50)	CAC406	CAC406	CAC406	SCS13A	SCS13A	SCS13A	FC200	FC200	FC200
STEM	C6191	C6191	C6191	SUS304	SUS304	SUS304	C6191	SUS304	SUS304
SEAL TYPE	SOFT	METAL	METAL	SOFT	METAL	METAL	SOFT	METAL	METAL
PACKING	"O" ring	"O" ring	Teflon	"O" ring	"O" ring	Teflon	"O" ring	"O" ring	Teflon
WORKING PRESS MPa	0~1.0			0~1.0			0~1.0		

Notes: (1) This table shows standard combinations used in usual cases. For other cases, refer to page 6.

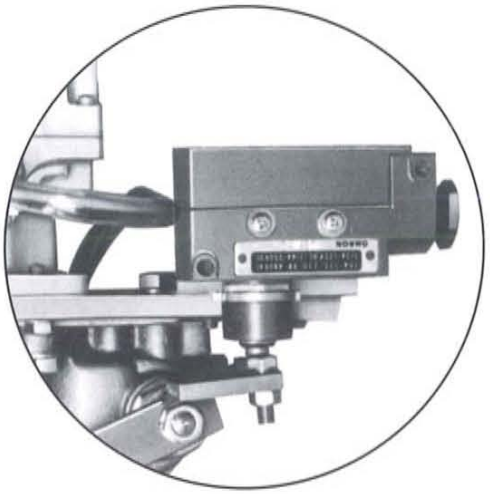
(2) In the case of the soft seal type, NBR, Viton and Neoprene are available. Select one of these materials according to the fluid used.

SPECIAL ORDERD

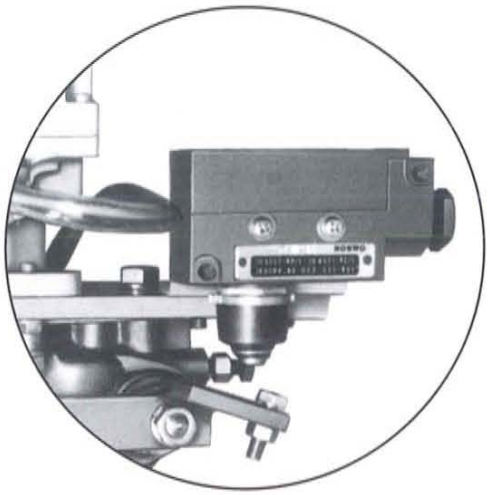
MICROSWITCH MECHANISM

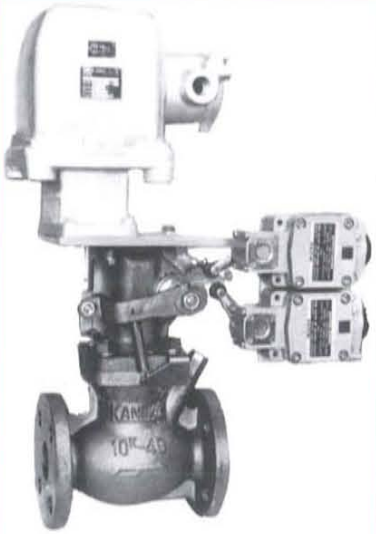
Silent Technology KANEKO

SITCH ON



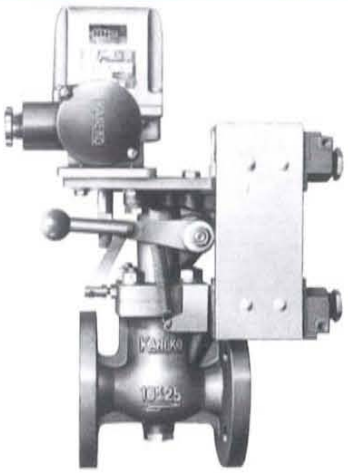
SWITCH OFF





·MICROSWITCH :
EXPLOSION-PROOF···WITH TWO
·EXPLOSION-PROOF·M30C SERIES

·MICROSWITCH :
GENERAL PURPOSE···WITH ONE
EXPLOSION-PROOF·M31RD SERIES



·MICROSWITCH :
GENERAL PURPOSE···WITH TWO
·WITH GENERAL PURPOSE
TERMINAL BOX
·LEVER LOCK MECHANISM :
GENERAL PURPOSE·M30C SERIES

ON MICROSWITCHES

Microswitches that give an opening/closing signal are used for on-off control of signals or control of the make-up of instrument circuits and for control operation and stop of the apparatus itself. Types of microswitches vary with the purpose of use and place of installation (outdoor, indoor, place where explosion-proof construction is specified, etc.). There are different specifications on control method, power supply and voltage, as well as various microswitch maker's standards, so a great variety of microswitches are available, of which the ones which best meet the required specifications are selected by us.

DUST COVER & LEVER LOCK MECHANISM

DUST COVER

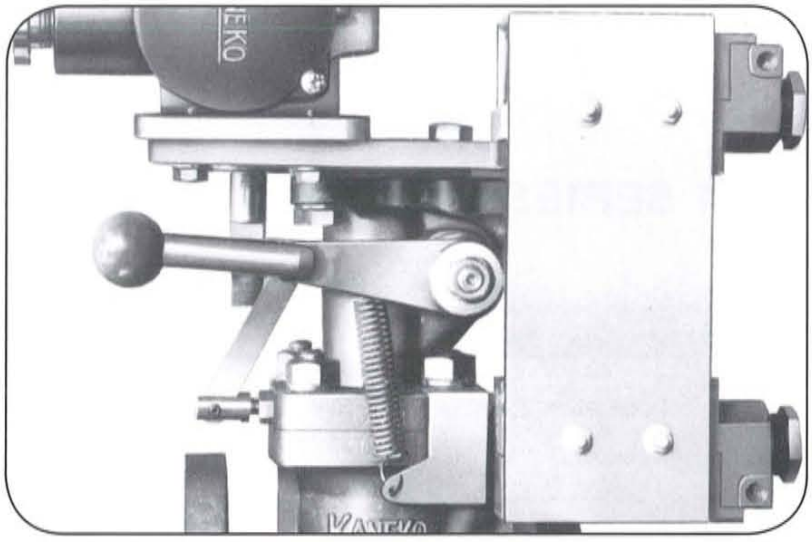
It is recommended to use a dust cover especially where there is much dust or sandy dust. With ordinary solenoid valves, fine dust accumulates in the casing, resufting in various troubles such as improper operation. Dust covers were fabricated to prevent such troubles.
The dust cover covers the solenoid, spindle gland and lever mechanism completely. The cover parted into two is sealed at its joint with packing by tightening bolts. It is requested to perfrom periodic maintenance of the dust cover set to clean the inside and check for proper operation.

EXPLOSION-PROOF
WITH DUST COVER

GENERAL PURPOSE
WITH DUST COVER

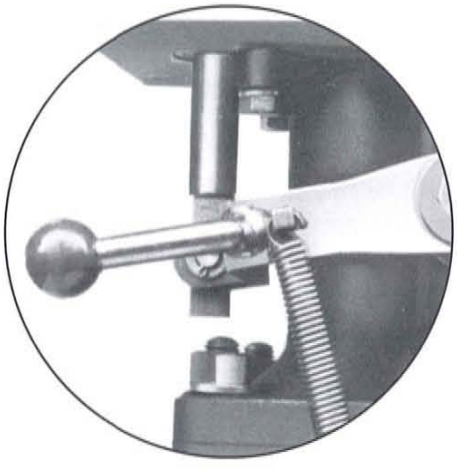
LEVER LOCK MECHANISM

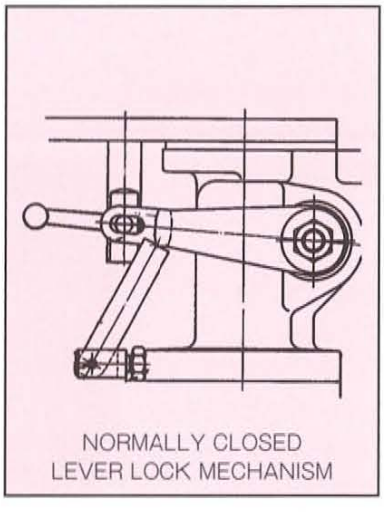
The Lever lock mechanism is provided to allow the condition of valve when energized to be maintained for a long time on power failure. It is installed as a special attachment upon request.



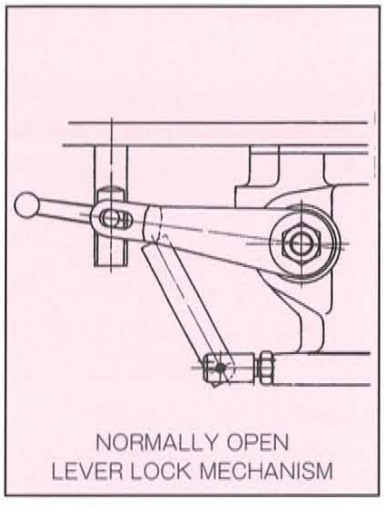
HAND LEVER

For easy opening and closing for special applications, only a knob is attached to the lever, in some cases.





NORMALLY CLOSED
LEVER LOCK MECHANISM



NORMALLY OPEN
LEVER LOCK MECHANISM

MANUAL RESET 2 WAY SOLENOID VALVE

Silent Technology KANEKO

MANUAL RESET VALVES FOR EMERGENCY

Explosion-proof
M31R, M31T Series

General Purpose

301R, 301T Series
General Purpose
2½", 3", 4" and 6"

Fuel Cut-off Valve
For Marine

M31 SERIES MANUAL RESET WAY SOLENOID VALVE

GENERAL DESCRIPTION

Two types of operation are available:

No voltage release
- Latched Closed Valve: M31RC
- Latched Open Valve: M31RD

Electrically tripped
- Latched Closed Valve: M31TC
- Latched Open Valve: M31TD

Two manual reset operation:

The open and closed position the conventional lever type valve are visually indicated by the position of the lever.

Lever up valve is closed;
- M31RC : Solenoid Energized Latched Closed
- M31TC : Solenoid De-Energized Latched Closed

Lever up valve is open;
- M31RD : Solenoid Energized Latched Open
- M31TD : Solenoid De-Energized Latched Open

APPLICATIONS

These valves can be used for oil and gas burners for power plant boiler, Marine and Gland Diesel sycle engine, process equipment, batching, and wherever valves are required to be opened manually and held in opened position until returned to their original positions electrically. A valve design particularly important in chemical refinery, metal working and air pollution prosses.

ALL KANEKO Solenoid Valves are tested to operate at 15 % under the nominal voltage and are capable of operating for short periods at 10% over the nominal voltage.
There are AC and DC of General Purpose and Explosion-proof type.

EXAMPLES OF COMBINA — TIONS OF MATERIALS FOR SEAL PARTS

SPECIFICATIONS

LEVER OPERATION — FUNCTION

No Voltage Release - Latched closed:
M31RC Series
With the solenoid energized, the valve is latched closed by raising the lever, valve trips open when solenoid is de-energized and remains open until manual reclosed.

No Voltage Release - Latched open:
M31RD Series
With the solenoid energized, the valve is latched open by raising the lever, valve trips closed when solenoid is de-energized and remains closed until manual reopened.

Electrically Tripped - Latched closed:
M31TC Series
Valve is latched closed by manually raising the lever. The latch will hold the valve closed until tripped open by momentary or continuous energization of solenoid.

Electrically Tripped - Latched open:
M31TD Series
Valve is latched open by manually raising the lever. The latch will hold the valve open until tripped closed by momentary or continuous energization of solenoid.

SIZE & Cv FLOW FACTOR

Table-6

SIZE	15(½")	20(¾")	25(1")	32(1¼")	40(1½")	50(2")
Cv Flow Factor	4.2	8.4	10.5	14.1	28.7	48.5

WORKING PRESSURE(Refer to Table 4 and 5)
BC Body ϕ15~ϕ25 (½"~1"): 0~1.6MPa
SS Body ϕ15~ϕ25 (½"~1"): 0~3.0MPa
BC, FC, SS Body ϕ40, ϕ50 (1½"~1"): 0~1.0MPa

PIPE CONNECTION
15 to 50 — Flanged JIS 10k,~30k
ANSI 150, 300
JPI 150, 300
½" to 1¼" — Screwed
RC — JIS
NPT — ANSI

BODY MATERIALS
(1) CAC406 — Cast Bronze (Gun Metal)
(2) FC200 — Cast iron
(3) SCS13 — Stainless Steel

TRIM
(1) Soft Seat for Air, Gases, Water, Light Oil
(2) Metal Seat for Steam, Air, Gases, Water, Oil

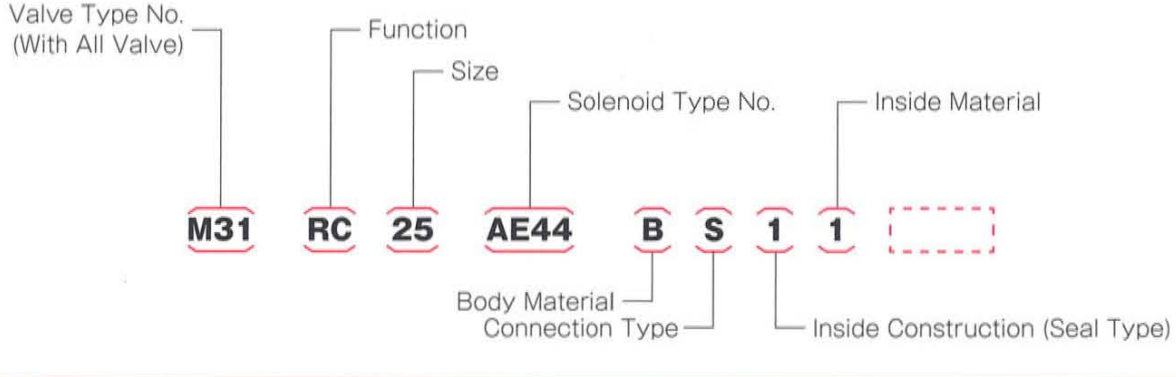
SOLENOID ENCLOSURES
Two types available.
(1) General Purpose
(2) Explosion-proof JIS Type
d2G4. For AC or DC
Approved by JLM

ELECTRICITY:
AC — 100, 200, 110, 220V 50Hz or 60Hz.
DC — 24, 48, 100, 110 and 125V

COIL:
Continuous Duty Molded.
Insulation Class B and H

Note:
Body's Face to Face or End to End and Hight of Dimention are same to M30 Series 2 Way Solenoid Valves Refer to Page 3, 4 and 5.

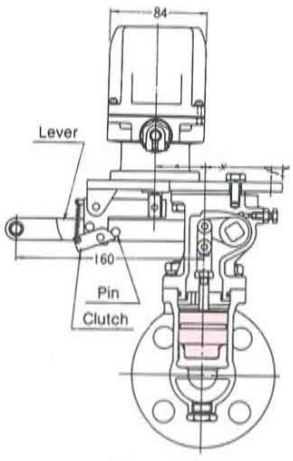
MODEL NO. (RC, RD, TC and TD)



M31 Series NORMALLY CLOSED & OPEN TYPE

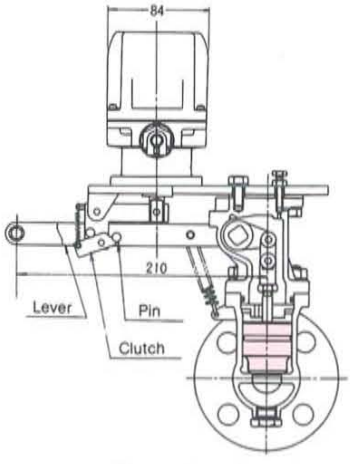
Silent Technology KANEKO

RD SERIES



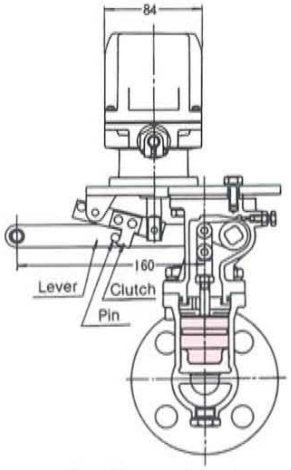
Energized
Latched Open

RC SERIES



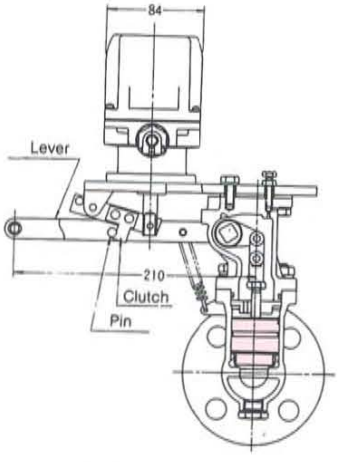
Energized
Latched Closed

TD SERIES



De-Energized
Latched Open

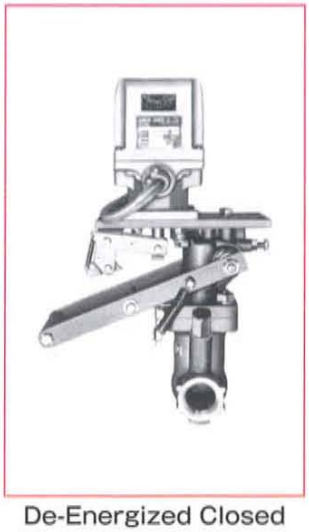
TC SERIES



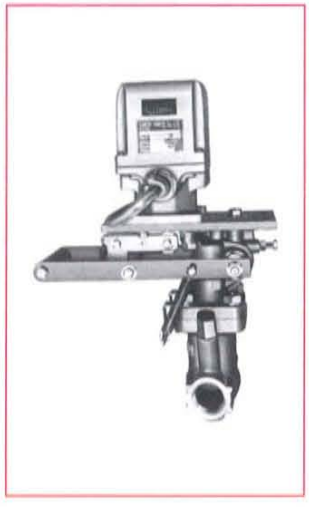
DE-Energized
Latched Closed

RD SERIES · Energized Latched Open

De-Energized Closed
with Micro Switch



De-Energized Closed



301MR EMERGENCY SHUT-OFF MANUAL RESET SOLENOID VALVE

- **Function:** Energized Latched Open
- **Pipe Size:** 40 (1½")~80 (3")
- **Working Pressure:** 0~4.0MPa
- **Media:** Fuel Oil
- **Media Temperature:** 80~120℃
- **Coil Insulation Class:** H
- **Electricity:** 100, 110, 115V 60Hz AC
- **Body:** Carbon Steel
- **Trim:** Stainless Steel
- **Seat:** Stallyted
- **Accessaries:**
  - *Microswitches
  - *Terminal Box
  - *Companion Flange

EXAMPLES OF COMBINA — TIONS OF MATERIALS FOR SEAL PARTS

MANUAL RESET VALVES FOR EMERGENCY

GENERAL PURPOSE

EXPLOSION-PROOF

MODEL : M31R □ SERIES
T □ SERIES

NOMINAL SIZE : 15~50

WORKING PRESSURE : 0~3.0MPa (15 to 25)
0~1.0MPa (40, 50)

GENERAL PURPOSE

EXPLOSION-PROOF

MODEL : #301 MR SERIES

NOMINAL SIZE : 65, 80, 100

WORKING PRESSURE : 0~1.0MPa (65, 80)
0~0.2MPa (100)

M31RD SERIES

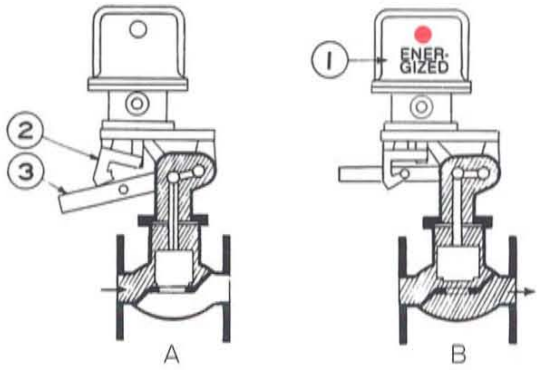


Fig.-1 ENERGIZED LATCHED OPEN VALVE

M31RD SERIES

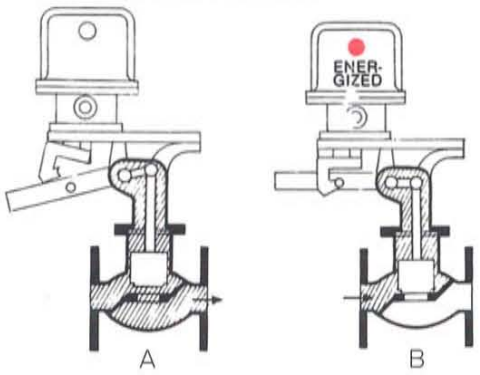


Fig.-2 ENERGIZED LATCHED CLOSED VALVE

M31TD SERIES

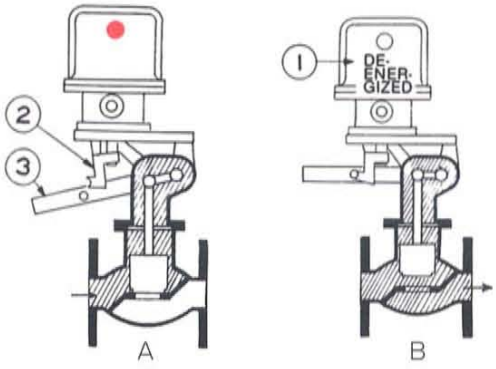


Fig.-3 DE-ENERGIZED LATCHED OPEN VALVE

M31TC SERIES

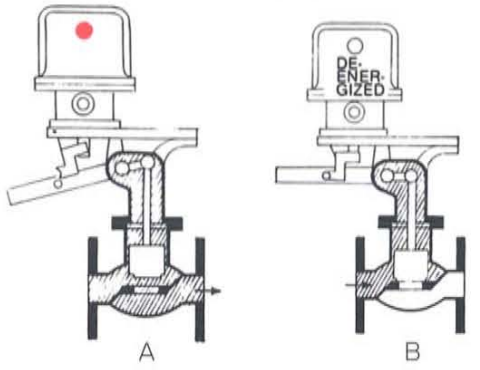


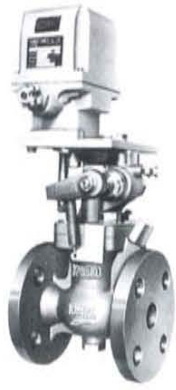
Fig.-4 DE-ENERGIZED LATCHED CLOSED VALVE

OPERATING METHOD

With the solenoid in state ①, pull up hand lever ③ and fix to clutch arm ② . "B" shows the ratcheted condition. In case of energency, hand lever ③ is detached from clutch arm ② . "A" shows the unratcheted condition.

Normally Closed
General Purpose
Screwed

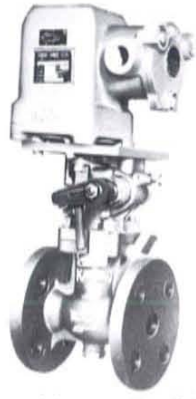
Normally Open
General Purpose
Screwed



Normally Closed
General Purpose
Flanged

Normally Open
Explosion-proof
Screwed

Normally Closed
Explosion-proof
Screwed



Normally Closed
Explosion-proof
Flanged

ISO9001 Approved,Certified Business for High-pressure Gas Test and Manufacture

Kaneko Sangyo Co., Ltd.

Silent Technology KANEKO

Home page: http://www.kaneko.co.jp

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