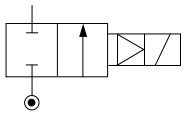
ETV 2/2-way solenoid valve of cast iron body for large flow application

Large Flow Diaphragm Type

Normally closed



Model	Port size	Orifice (mm)	CV value	Fluid temp. (°C)	Seat disc	Differential pressure kg/cm² (bar) Liquid	Wt. (kg)
ETV - 80	3 "	80	97	-10 ~ 60	NBR+Nylon	0.5-12	19.5

How to order

ETV - 80 - E1 - 220VAC

- Voltage
- Coil : E1-Square cable wire (WP-Al-E)
  C1-Round cable wire (WP-A1-C)
  D1-Square DIN for AC (WP-A1-D)
  F1-Round DIN for DC (WP-C1-D)
  EX-Explosion proof (EX-B2)
- Code
- Model

Notes:

1. It adopts horizontal allocation and coil upward and equips with a manual override and adjusting switch.
2. Voltage drop range is within ±10%.
3. Pressure of voltage DC is 70% of voltage AC only.
4. Combined diaphragm can be used for high-polluted fluids.
5. Selection of coil refer to page 136~139.
6. This type only has PT thread.

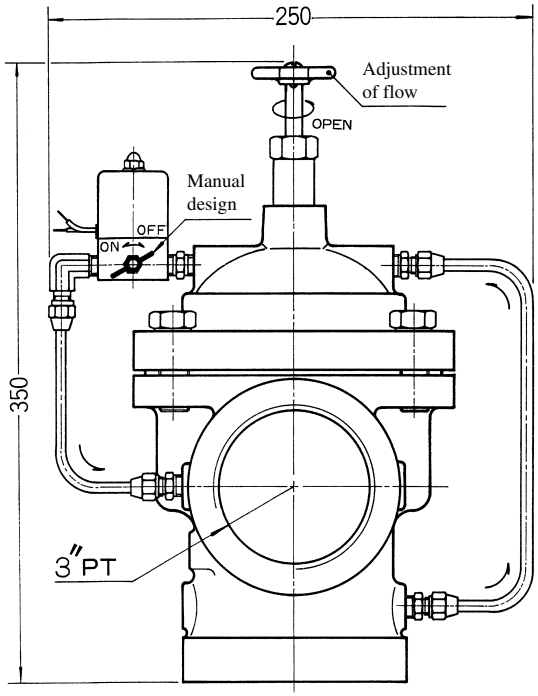
Inapplicable Fluids:

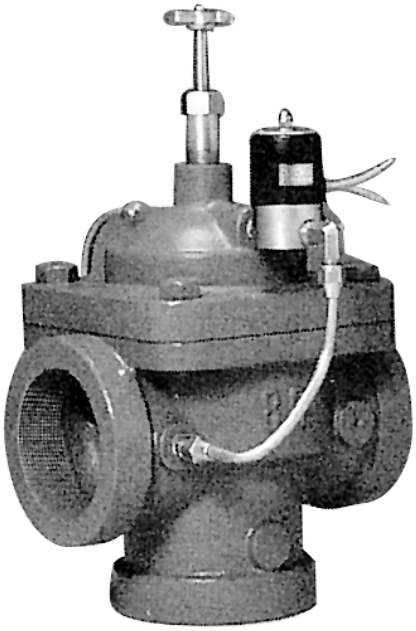
1. Fluids that have kinematic viscosity over 50 CST.
2. Fluids that will turn to liquid after being heated and become solid after being cooled.
3. Corrosive fluids.

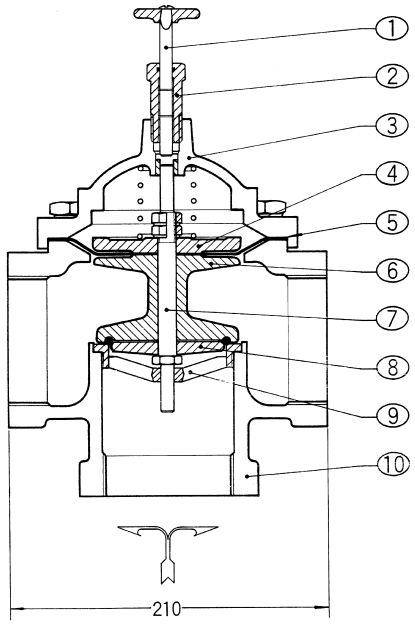
ETV **2/2**-way solenoid valve of cast iron body for large flow application

● ETV-80 Contour Specification Chart

Unit:mm







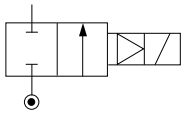
● Material Table

Item	Article	Material
1	Adjusting Screw Rod	Stainless Steel
2	Adjusting Seat	Brass
3	Top Valve Cover	Cast Iron
4	Top Diaphragm Pressure Plate	Brass
5	Diaphragm	NBR+Nylon
6	Middle Diaphragm Seat	Brass
7	Central Operated Rod	Stainless Steel
8	Bottom Diaphragm Pressure Plate	Brass
9	Bottom Valve Central Seat	Brass
10	Valve Body	Cast Iron

EGV 2/2-way solenoid valve of cast iron body for large flow application

Large Flow Diaphragm Type

Normally closed



Model	Port size	Orifice (mm)	CV value	Fluid temp. (˚C)	Seat disc	Differential pressure kg/cm² (bar) Liquid	Wt. (kg)
EGV-40AF	1 1/2 " Flange	40	35	-10 ~ 60	NBR+Nylon	0.5-12	10
EGV-50AF	2 " Flange	50	45			0.5-12	13.7
EGV-65AF	2 1/2 " Flange	65	82			0.5-12	19.5
EGV-80AF	3 " Flange	80	97			0.5-12	28.5
EGV-100AF	4 " Flange	100	180			0.5-12	43
EGV-125AF	5 " Flange	125	245			0.5-12	61.5
EGV-150AF	6 " Flange	150	300			0.5-12	74.5

How to order

EGV - 40AF - E1 - 220VAC

- Voltage
- Coil : E1-Square cable wire(WP-Al-E)
  C1-Round cable wire(WP-A1-C)
  D1-Square DIN for AC (WP-A1-D)
  F1-Round DIN for DC (WP-C1-D)
  EX-Explosion proof (EX-B2)
- Code
- Model

Notes:

1. It adopts horizontal allocation and coil upward and equips with a manual override and adjusting switch.
2. Voltage drop range is within±10%.
3. Pressure of voltage DC is 70% of voltage AC only.
4. Combined diaphragm can be used for high-pollutied fluids.
5. Selection of coil refer to page 136~139.
6. JIS Flange specification : 10 kg/cm².

Inapplicable Fluids:

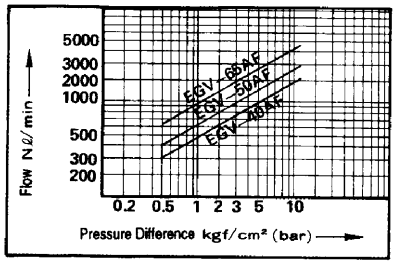
1. Fluids that have kinematic viscosity over 50 CST.
2. Fluids that will turn to liquid after being heated and become solid after being cooled.
3. Corrosive fluids.

EGV

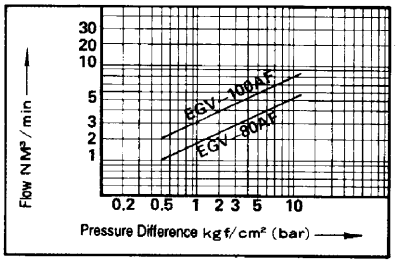
2/2-way solenoid valve of cast iron body for large flow application

● Flow Curve Chart

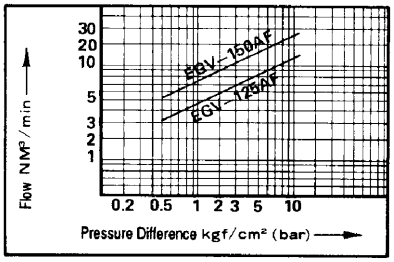
● Fluid:Water EGV-40AF~65AF



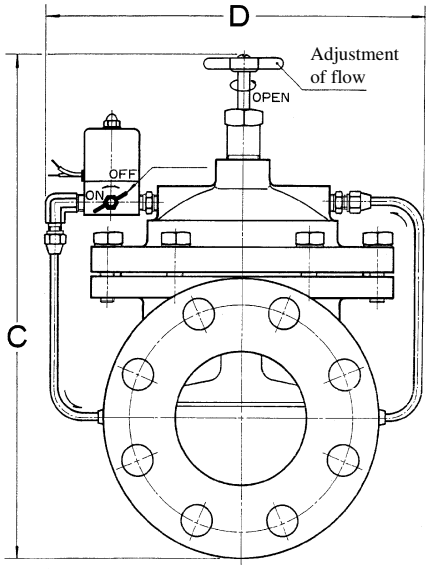
● Fluid:Water EGV-80AF~100AF



● Fluid:Water EGV-125AF~150AF



● EGV-40AF~150AF Contour Specification Chart



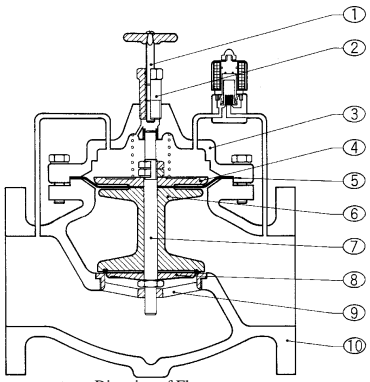
● Specifications

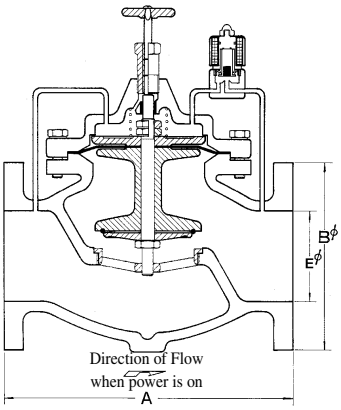
Unit : mm

Item / Model	A	B	C	D	E
EGV-40AF	174	140	240	170	40
EGV-50AF	200	155	275	180	50
EGV-65AF	246	175	300	220	65
EGV-80AF	290	185	350	265	80
EGV-100AF	330	210	400	290	100
EGV-125AF	410	250	450	320	125
EGV-150AF	422	280	500	350	150

JIS Flange Specification:10kg/cm²

● EGV-40AF~150AF Operation Chart





● Material Table

Item	Article	Material
1	Adjusting Screw Rod	Stainless Steel
2	Adjusting Seat	Brass
3	Top Valve Cover	Cast Iron
4	Top Diaphragm Pressure Plate	Brass
5	Diaphragm	NBR+Nylon
6	Middle Diaphragm Seat	Brass
7	Central Operated Rod	Stainless Steel
8	Bottom Diaphragm Pressure Plate	Brass
9	Bottom Valve Central Seat	Brass
10	Valve Body	Cast Iron