

SOLENOID VALVE
DIRECTIONAL CONTROL SERIES

EF, EG, EH, EJ, EK, EL series 2 Ports SOLENOID VALVE

EF, EG, EH, EJ, EK, EL



| Model | Port Size Rc (PT) | Operation | Orifice mm ² (Cv) | Suitable Fluid Type | | | | | | Voltage |
|--------|----------------------|--|---------------------------------|---------------------|-------|-----------|-----|-----|---------|---------|
| | | | | Air | Water | Hot Water | Oil | Gas | Vacuum | |
| EF-6 | 1/8" | Direct Operated (General) | 2.5 (0.14) | 0~7 | | | | | | DC 24V |
| -8 | 1/4" | | 4 (0.22) | 0~10 | | | | | | AC 110V |
| -6H | 1/8" | | 1.2 (0.07) | 0~20 | | | | | | AC 220V |
| -8H | 1/4" | | 2.0 (0.11) | | | | | | | |
| -10H | 3/8" | | 10 (0.56) | | | | | | | |
| EG-10 | 3/8" | Diaphragm Type (High Flow) | 15 (0.83) | 0~7 | 0~5 | - | 0~5 | 0~7 | DC 24V | |
| -15 | 1/2" | | 20 (1.11) | | | | | | AC 110V | |
| -20 | 3/4" | | 25 (1.39) | | | | | | AC 220V | |
| -25 | 1" | | 35 (1.94) | | | | | | | |
| -35 | 1 1/4" | | 40 (2.22) | | | | | | | |
| -40 | 1 1/2" | | 50 (2.78) | | | | | | | |
| -50 | 2" | | 17 (0.94) | | | | | | | |
| EH-10 | 1/2" | Direct Operated (High Temperature steam) | 17 (0.94) | 0.5~1.5 | | | | | | DC 24V |
| -20 | 3/4" | | 22 (1.22) | | | | | | | AC 110V |
| -25 | 1" | | 30 (1.67) | | | | | | | AC 220V |
| -35 | 1 1/4" | | 32 (1.78) | | | | | | | |
| -40 | 1 1/2" | | 50 (2.78) | | | | | | | |
| EJ-6A | 1/8" | Direct Operated (General) | 2.5 (0.14) | 0~0.7 | | | | | | DC 24V |
| -8A | 1/4" | | 4 (0.22) | 0~10 | | | | | | |
| -10A | 3/8" | Diaphragm Type (High Flow) | 15 (0.83) | 0~7 | 0~5 | - | | | AC 110V | |
| -15A | 1/2" | | 20 (1.11) | | | | | | AC 220V | |
| -20A | 3/4" | 25 (1.39) | | | | | | | | |
| -25A | 1" | 35 (1.94) | | | | | | | | |
| -35A | 1 1/4" | 40 (2.22) | | | | | | | | |
| -40A | 1 1/2" | 50 (2.78) | | | | | | | | |
| -50A | 2" | 6.5 (0.28) | | | | | | | | |
| EK-8 | 1/4" | Diaphragm Type (Able to bear the strong acid) PVC | 6.5 (0.28) | 0~1 | | | | | | DC 24V |
| -10 | 3/8" | | 6.5 (0.28) | | | | | | | AC 110V |
| -15 | 1/2" | Diaphragm Type (Able to bear the strong acid) PTFE | 13 (0.7) | | | | | | | AC 220V |
| -8-TF | 1/4" | | | | | | | | | |
| -10-TF | 3/8" | | | | | | | | | |
| -15-TF | 1/2" | | | | | | | | | |
| -20-TF | 3/4" | Direct Operated (General) | 4.9 (0.27) | 0~7 | | | | | | DC 24V |
| EL-01 | 1/8" | | 4.9 (0.27) | | | | | | | AC 110V |
| -C6 | Ø6 | Stainless steel nomenclon | | | | | | | AC 220V | |

Note : 1. Standard type : air , water. 2. Custom made for oil , gas , vacuum type.

EM series 2 Ports SOLENOID VALVE

EM



| Model | Max. Pressure | Inner port size | Weight (kg) | IN Port | OUT Port | Flow rate (Cv) | Voltage |
|-------|---------------|-----------------|-------------|---------|----------|----------------|----------|
| EM-12 | 1.0 Mpa | Ø1.6 | 0.05 | Ø4 | Ø4 | 0.07 | DC12/24V |
| EM-22 | 1.0 Mpa | Ø3.2 | 0.08 | Ø6 | Ø6 | 0.3 | DC12/24V |

EN series 2 Ports SOLENOID VALVE

EN



| Model | Max. Pressure | Inner port size | Weight (kg) | IN Port | OUT Port | Flow rate (Cv) | Voltage |
|-------|---------------|-----------------|-------------|-----------|-----------|----------------|----------|
| EN-30 | 1.0 Mpa | Ø3.0 | 0.1 | Ø4 Ø6 | Ø4 Ø6 | 0.3 | DC12/24V |
| EN-40 | 1.0 Mpa | Ø6.0 | 0.23 | Ø8 Ø10 | Ø8 Ø10 | 1.1 | DC12/24V |

EX series QUICK EXHAUST VALVE

EX



| Model | Port Size Rc (PT) | Flow Rate L/min | | Orifice mm ² (Cv) | Pressure Range Kgf/cm ² (Kpa) |
|--------|----------------------|-----------------|-------|---------------------------------|---|
| | | P → A | A → R | | |
| EX-802 | 1/4" | 1000 | 1500 | 14 (0.78) | 1~7 |
| EX-803 | 3/8" | 1000 | 1500 | 18 (1.0) | (100~700) |

SOLENOID VALVE
DIRECTIONAL CONTROL SERIES

MWA series HAND-OPERATED VALVE

MWA



| Model | Port Size Rc (PT) | Type of actuation | Operation | Orifice mm ² (Cv) | Pressure Range Kgf/cm ² (Kpa) |
|---------|----------------------|------------------------|-----------------------------------|---------------------------------|---|
| MWA-601 | 1/8" | 5 Ports 2 Positions | Manual, Front and End swinging | 14 (0.78) | 0~7 (0~700) |
| MWA-602 | 1/4" | | | 14 (0.78) | |
| MWA-802 | 1/4" | | | 18 (1.0) | |
| MWA-803 | 3/8" | 5 Ports 3 Positions | Manual, Front and End swinging | 18 (1.0) | 0~7 (0~700) |
| MWA-631 | 1/8" | | | 14 (0.78) | |
| MWA-632 | 1/4" | | | 18 (1.0) | |
| MWA-832 | 1/4" | | | 18 (1.0) | |
| MWA-833 | 3/8" | | | 50 (2.78) | |

MWB series HAND-OPERATED VALVE

MWB



| Model | Port Size Rc (PT) | Type of actuation | Operation | Orifice mm ² (Cv) | Pressure Range Kgf/cm ² (Kpa) |
|---------|----------------------|-------------------|------------------------------------|---------------------------------|---|
| MWB-402 | 1/4" | 4 Ports | Manual, Left and Right swinging | 17 (0.94) | 0~7 (0~700) |
| MWB-403 | 3/8" | 3 Positions | | | |
| MWB-404 | 1/2" | | | | |

MWC series HAND-OPERATED VALVE

MWC



| Model | Port Size Rc (PT) | Type of actuation | Operation | Orifice mm ² (Cv) | Pressure Range Kgf/cm ² (Kpa) |
|------------|----------------------|-------------------|------------------------------------|---------------------------------|---|
| MWC-200-6A | 1/8" | 4 Ports | Manual, Left and Right swinging | 17 (0.94) | 0~7 (0~700) |
| MWC-200-8A | 1/4" | 3 Positions | | | |

TWD series FOOT VALVE

TWD



| Model | Port Size Rc (PT) | Type of actuation | Max. Pressure Kgf/cm ² | Orifice mm ² (Cv) | Pressure Range Kgf/cm ² (Kpa) |
|---------|----------------------|------------------------|--------------------------------------|---------------------------------|---|
| TWD-320 | 1/4" | 3 Ports 2 Positions | 10 | 8 | 0~7 (0~700) |
| TWD-420 | | 4 Ports 2 Positions | | | |

TWE series FOOT VALVE

TWE



| Model | Port Size Rc (PT) | Type of actuation | Max. Pressure Kgf/cm ² | Orifice mm ² (Cv) | Pressure Range Kgf/cm ² (Kpa) |
|---------|----------------------|------------------------|--------------------------------------|---------------------------------|---|
| TWE-320 | 1/4" | 3 Ports 2 Positions | 10 | 12 | 0~7 (0~700) |
| TWE-520 | | 5 Ports 2 Positions | | | |

ED series SPEED CONTROLLER

ED



| Model | Port Size Rc (PT) | Flow Rate L/min | | Pressure Range Kgf/cm ² (Kpa) | Applicable Cylinder | |
|------------|----------------------|-----------------|-----------|---|----------------------------|------------------------------|
| | | Control side | Free side | | | |
| DED-150-01 | 1/8" | 250 | 340 | 1~9 (100~900) | Ø12, Ø16, Ø20, Ø25, Ø32 | |
| DED-150-02 | 1/4" | 250 | 340 | | | |
| EED-300-02 | 1/4" | 800 | 800 | | Ø32, Ø40, Ø50, Ø63 | |
| EED-300-03 | 3/8" | 800 | 800 | | | |
| FED-400-03 | 3/8" | 1650 | 1650 | | | Ø50, Ø63, Ø80, Ø100, Ø125 |
| FED-400-04 | 1/2" | 1650 | 1650 | | | |

AIRINN products
Related Calculation Common Caution
Air unit
Valve
Cylinder
Gripper
Vacuum Equipment
Fitting
Accessories
Assembly pick and place robot