**Rotary Actuators**

- **Vane Type TRV2 Series**
  - Small-size, light-weight and high-performance vane type rotary actuators
  - Effective torque: 0.05N·m to 206N·m
  - Rotating angle: 90° to 270°

- **Rack and Pinion Type RP3 Series**
  - Wide variety of small-size and light-weight rack and pinion type rotary actuators
  - Theoretical output: 0.3N·m to 7N·m
  - Rotating angle: 90° to 180°

- **Vane Type TAV2 Series**
  - Light-weight and compact type using aluminum body
  - Output: 220W to 1470W
  - Torque: 1.7N·m to 7N·m

- **Radial Piston Type TAM4 Series**
  - Grease-sealed air motors which can be installed in any direction
  - Output: 66.2W to 231W
  - Torque: 0.05N·m to 9.7N·m

- **Radial Piston Type TAM2 Series**
  - Air motors of proven oil bath type
  - Output: 228W to 3089W
  - Torque: 1.7N·m to 588N·m

**Air Motors**

- **Vane Type TAV3 Series**
  - Thin, light-weight and space-saving type
  - Output: 220W to 1470W
  - Torque: 1.7N·m to 7N·m

- **Radial Piston Type TAM1 Series**
  - Low-speed high-torque air motors
  - Output: 735.5W
  - Torque: 23.5N·m

**Air-oil Systems**

- **Air-oil Unit AHU2-063 Series**
  - Units for converting pneumatic pressure to hydraulic pressure to enable precision speed control
  - Converter capacity: 0.16 to 0.6l

- **Air-oil Unit AHU2-100/160 Series**
  - High flow rate type units for converting pneumatic pressure to hydraulic pressure to enable precision speed control
  - Converter capacity: 1 to 20l

**High Power Systems**

- **Pneumatics**
  - Two types, direct pressure and reverse pressure types, are available

- **Pneumatic Pressure Source TH Series**
  - Compact, high-output and high-speed actuators provided with boosting mechanism
  - Nominal output: 9810N to 19600N

**Diaphragm Pumps**

- **TD Series/Metal Body Type**
  - Applicable to a wide range of oil liquids, including acid and alkaline liquids as well as organic solvents, slurry and viscous liquids

- **TD Series/Plastic Type**
  - Plastic type suitable for feeding viscous liquids and acid and alkaline chemicals

- **TD2 Series/Metal Body Type**
  - New diaphragm pumps with increased discharge and improved maintainability

- **Electric Diaphragm Pump ET2 Series**
  - Ecologically-friendly new generation model

- **Oil Pack Cylinder HSP3 Series**
  - High output can be maintained for a long time only by pneumatic pressure

- **Nominal output**: 82.7kN to 330.8kN
  - Working pressure range: 0.3MPa to 0.8MPa

- **Max. output**: 82.7kN to 330.8kN
  - Rated discharge pressure: 0.4MPa
Diaphragm Pumps
Accumulators for Diaphragm Pump
The accumulator absorbs discharge pulsation specific to diaphragm pumps.

Applicable models: TD-08 · 15 · 20

Shock Absorbers

Mini-softer of Fixed Type (GO1)
Light-weight and small-size simple shock absorbers.

(Discontinued)

Mini-softer of Adjustable Type
Light-weight and small-size shock absorbers of absorbed energy adjustable type.

Mini-softer of Adjustable Type (MA+)
Mini-softer newly designed based on accumulated deceleration technology.

mini-softer of High-Speed F Type
Multi-orifice adjustable type suitable for shock absorption particularly at high speed.

mini-softer of Low-Speed L Type
Single-orifice adjustable type suitable particularly for low speed or as hydro-checker.

mini-softer of Load Corresponding Type
Suitable when collision conditions frequently change during use.

Mini-softer of 2-step Motion W Type
Energy is absorbed by the multi-pore zone in the first half of a stroke and by the single-pore zone in the second half.

Appropriate models:
A2M10 · A2M14 · A2M16 · A2M20 · A2M25(30) · A2M25(40) · W-A2M27

Appropriate model:
F-A2M10 · F-A2M14 · F-A2M16 · F-A2M20 · F-A2M25(30) · F-A2M25(40) · F-A2M27

Mini-softer of Compact Type
Adjustment-free shock absorbers which can gently stop colliding objects according to load changes.

Appropriate models:
F6M30(08) · F6M30(16) · F6M45(16) · F6M45(25)

 dyna-softer of Adjustable Type
Stepless adjustments can be made within the maximum absorbed energy range.

Appropriate models:
AS · AS-06 · AS-11 · AS-20

Dyna-softer of Fixed Type
Made-to-order product designed and fabricated based on customer’s specifications.

Appropriate models:
S * -06 · S * -11 · S * -20 · S * -40

Discontinued

Mini-softer of Compact Type

Discontinued

Energy is absorbed by the multi-pore zone in the first half of a stroke and by the single-pore zone in the second half.

Appropriate models:
A2M10 · A2M14 · A2M16 · A2M20 · A2M25(30) · A2M25(40) · W-A2M27

Appropriate model:
F-A2M10 · F-A2M14 · F-A2M16 · F-A2M20 · F-A2M25(30) · F-A2M25(40) · F-A2M27

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Discontinued

Mini-softer of Compact Type

Discontinued