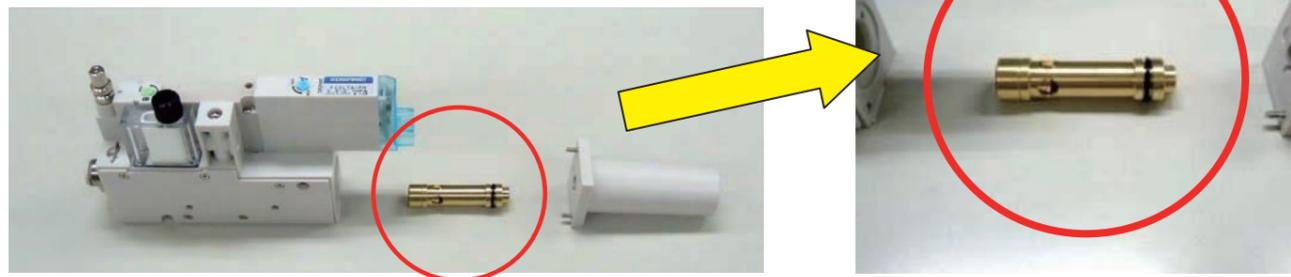


Maintainability

◎ Nozzle defuser assembly can be replaced (replacement parts available)

Other maintenance parts

- Pilot solenoid valve ... shown below
- Filter ... FME-F



Equipped with F10 series solenoid valves!

◎ Equipped valve is F10 series solenoid valve

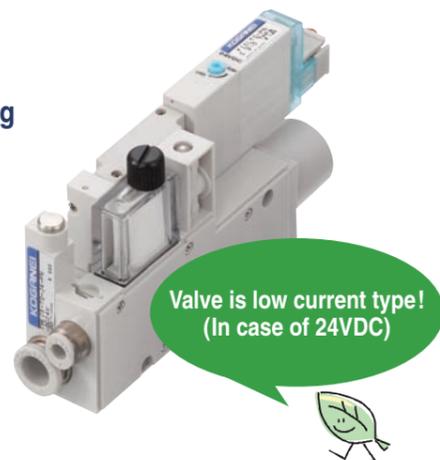
• Tandem 3-port
(solenoid valve for controlling supply air, solenoid valve for controlling vacuum breaking air)

F10TA-A1-PN DC12V
F10LTA-A1-PN DC24V

4(A) side	2(B) side	Symbol
Normally closed (NC)	Normally closed (NC)	

• 5 port single solenoid
(only for controlling supply air)

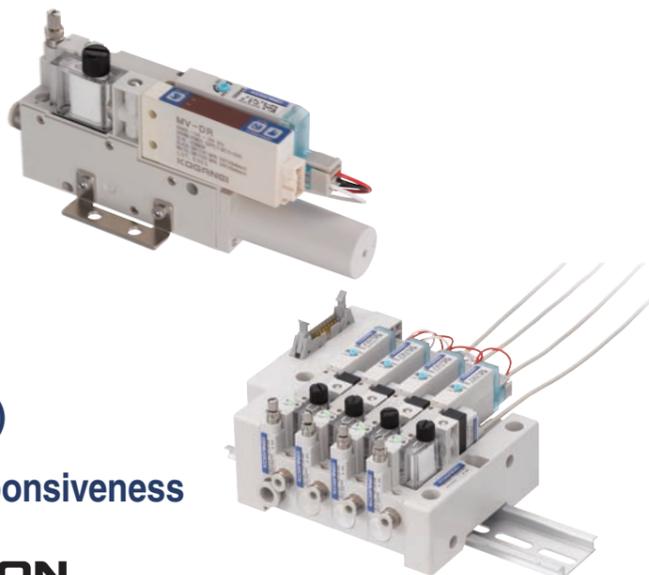
F10T0-A1-PN DC12V
F10LT0-A1-PN DC24V



Other

1. Electronic vacuum switches

- Digital display (same as MV series)
- Compound pressure
- PSU sensor head



2. Built-in fittings

3. DIN rail mounting

4. Wiring saving (Only for solenoid valve)

5. Without check valve → Improved responsiveness

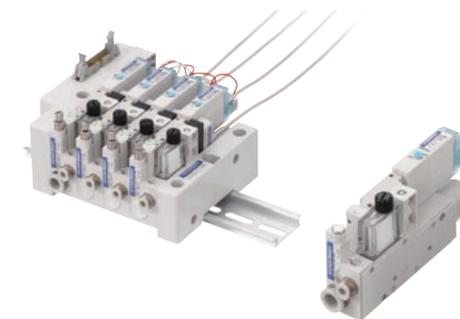


KOGANEI CORPORATION

OVERSEAS GROUP
3-11-28, Midori-cho, Koganei City, Tokyo 184-8533, Japan
Tel: 042-383-7271 Fax: 042-383-7276



Micro Ejectors FME Series



New Standard Ejectors



Features

Compared to current GME series:

Silent



35% lower air exhaust noise!

(when lower noise muffler is equipped)

Energy savings



Air consumption reduced 20%!

(for standard specifications)

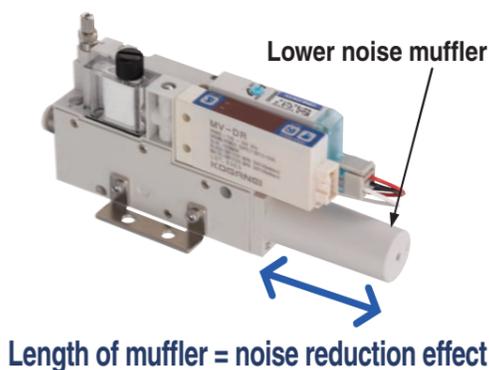
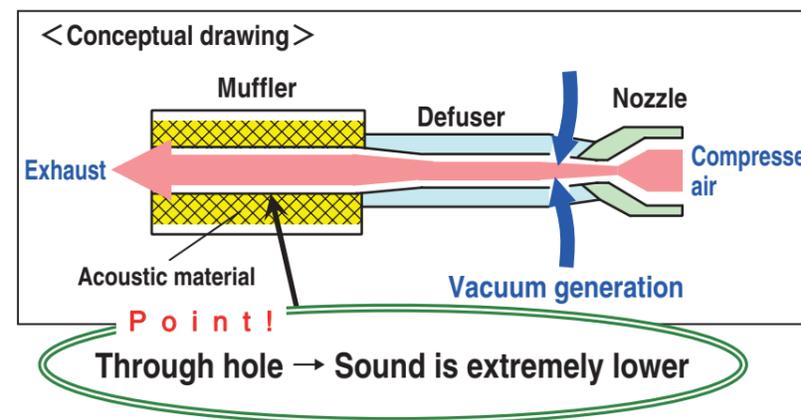
Low cost



Main unit cost reduced 25%!

(compared to GME07-E1 and FME07-T0)

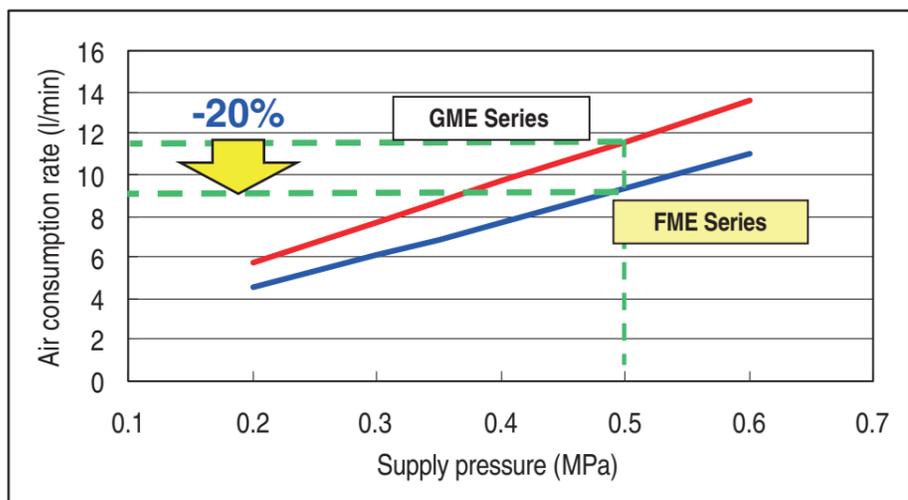
Lower exhaust noise (silent)



◎ Exhaust noise dramatically reduced from **74 dB** (GME05) to **46 dB** (FME05)!

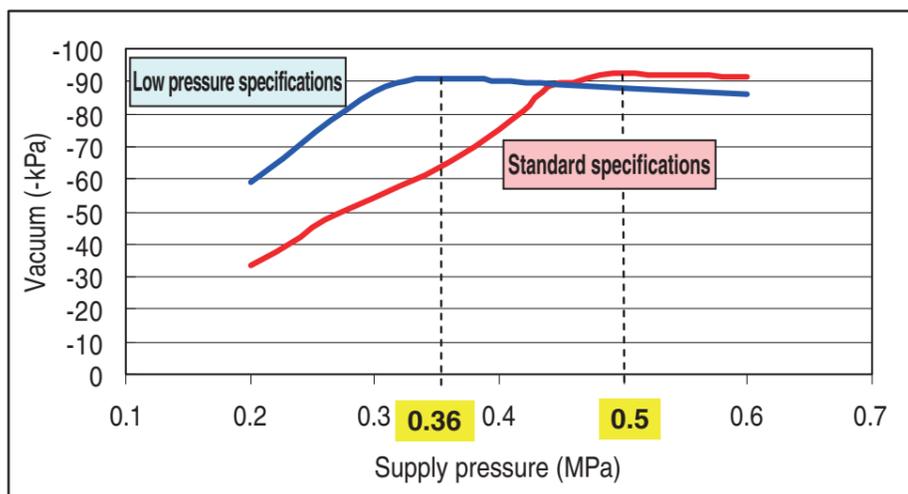
*View the video to hear the actual difference in the noise!

Energy savings (1) Air consumption reduced 20%!



◎ Air consumption reduced **20%** compared to current series (GME series)!

Energy savings (2) Low pressure specifications



Standard specifications ... Maximum vacuum at supply pressure 0.5 Mpa
 Low pressure specifications ... Maximum vacuum at supply pressure 0.36 Mpa

Pressure in terminals used in energy saving lines is low pressure, so cannot be used with regular ejectors

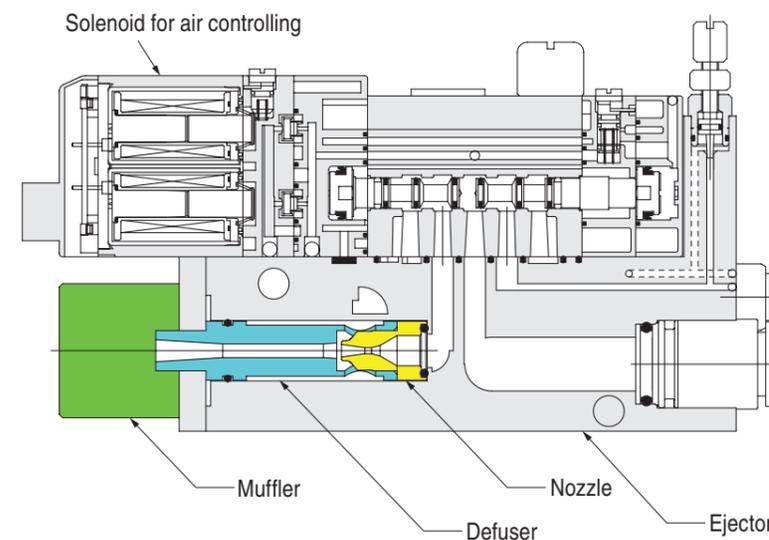


◎ Low pressure lines (energy saving lines) can be supported with **low pressure specifications!**

☐ ■ Saving energy with air ■ ☐
 Electric power can be reduced approximate 5 to 10% by reducing 0.1 Mpa of compressors output pressure.

Advantages of the FME series

< Inner construction >



Nozzle, defuser, and muffler directly aligned to get the maximum efficiency demanded!

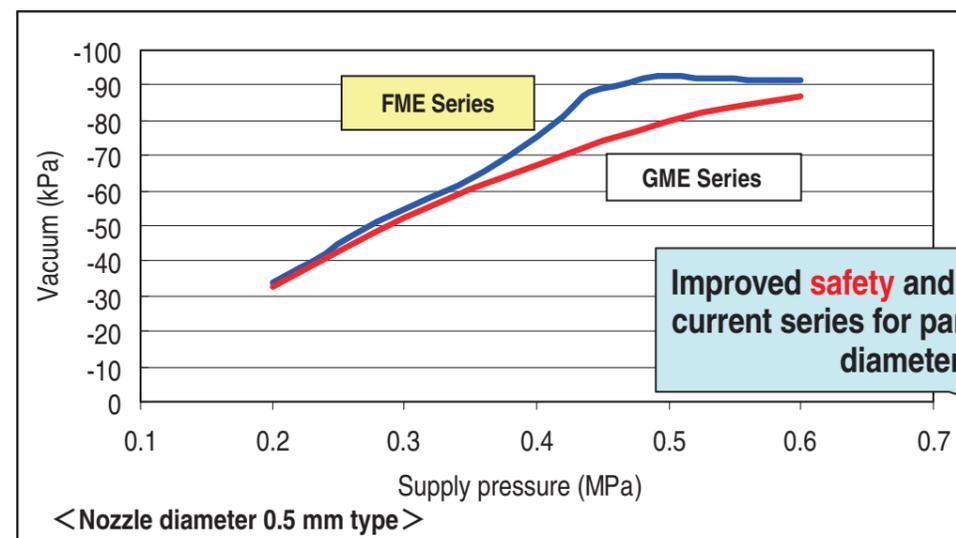
Produce effective air flow to get:

- ➔ Reduced air consumption
- ➔ Low pressure specifications
- ➔ Quiet exhaust sounds

Realization!

Vacuum

◎ Maximum vacuum **-85 kPa** ➔ **-90 kPa**



Improved **safety** and **stability** over current series for parts with same diameter!

