

# SIC

**SAMJIN Hydraulic Type  
Metering Pumps**

**HM3 Series**

**Hi-Reliability!  
Hi-Endurance!**



 **SAMJIN Industrial Co., Ltd.**

# SAMJIN Metering Pumps

## Features and Uses

### ● Features

- Long Durability
- High Accuracy and High Linearity  
Discharge Flow :  $\pm 3\%$   
Discharge Pressure :  $\pm 1\%$
- Versatile Combination  
Duplex, triplex and Multiplex
- Versatile Flow Control System  
Servo Motor, Air Cylinder, Air Motor,  
Stroke Counter, Inverter Motor and  
Variable Speed Motor and etc.

### ● Uses

Chemical and Petrochemical Industries  
& Textile, Paper, Plastic, Synthetic Rubber,  
Fat / Food Industries and Waste Water treatment

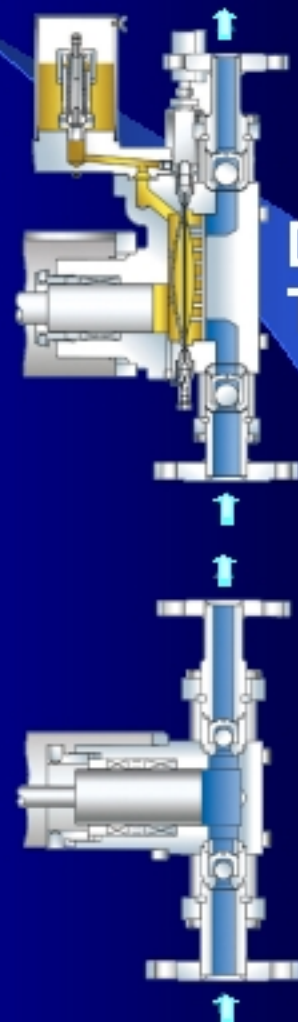
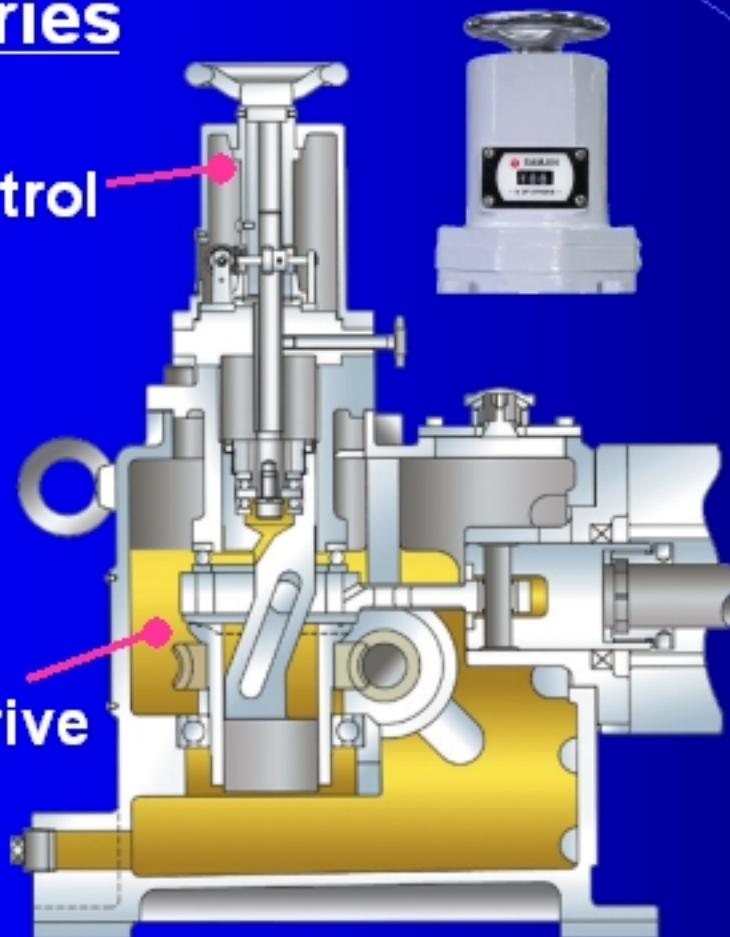
# SAMJIN Metering Pumps

## Construction

- HM3 Series

Flow Control Device

Robust Drive End



Diaphragm Type

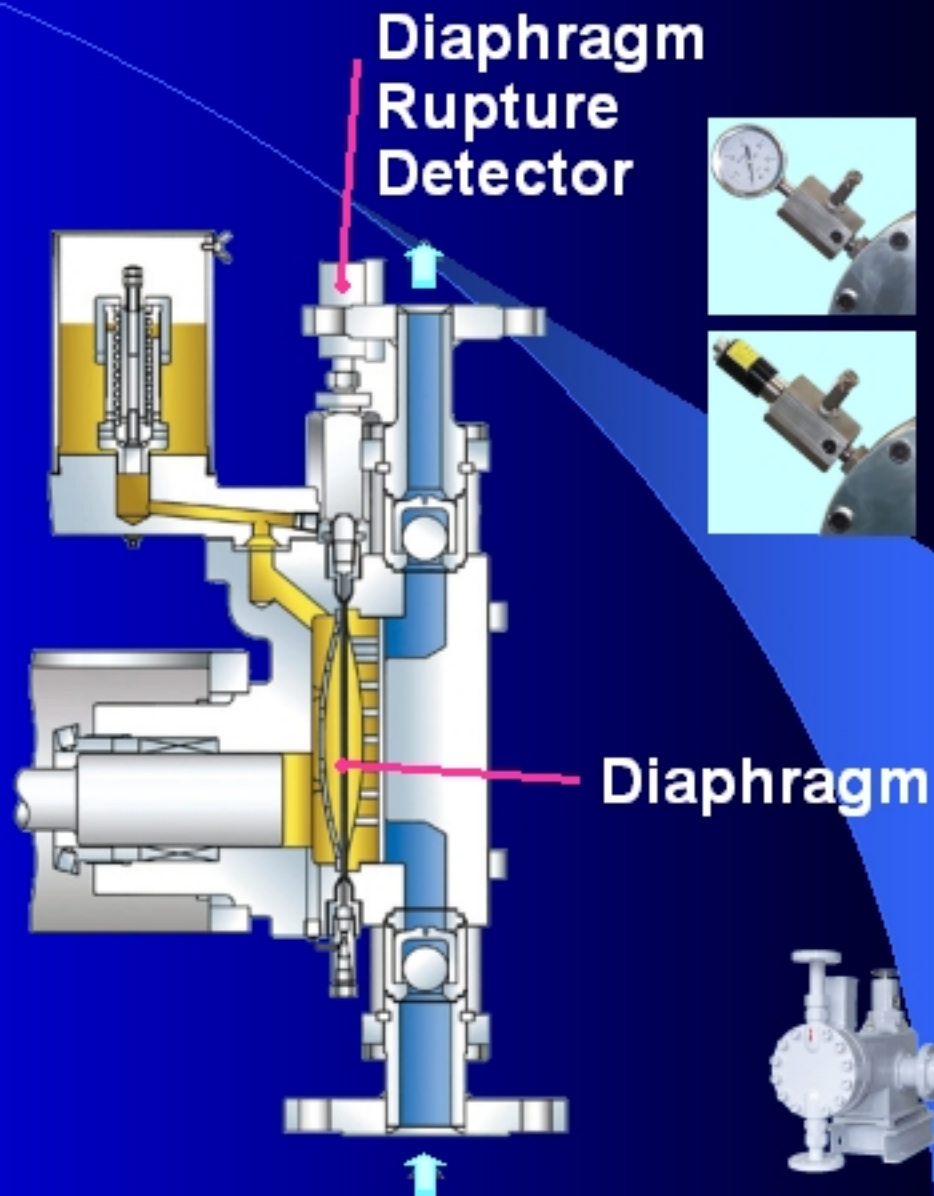
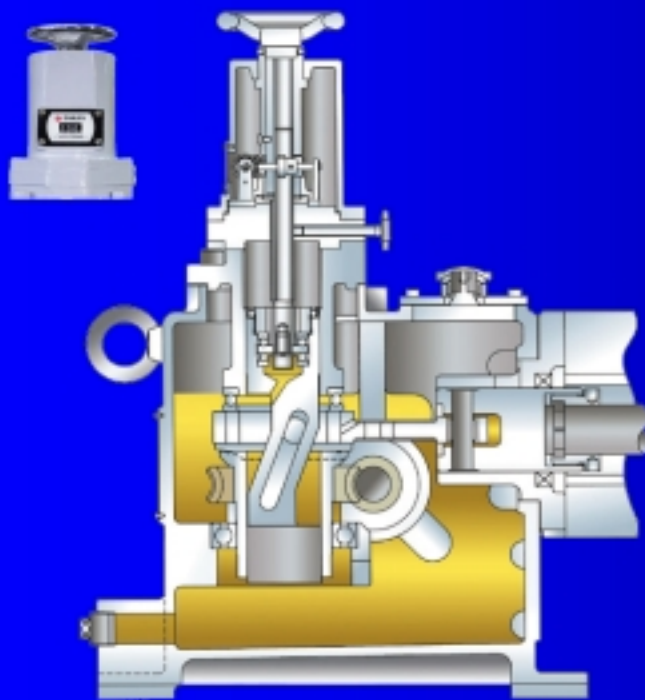
Plunger Type

# SAMJIN Metering Pumps

## Construction

- HM3 Series

### Diaphragm Type

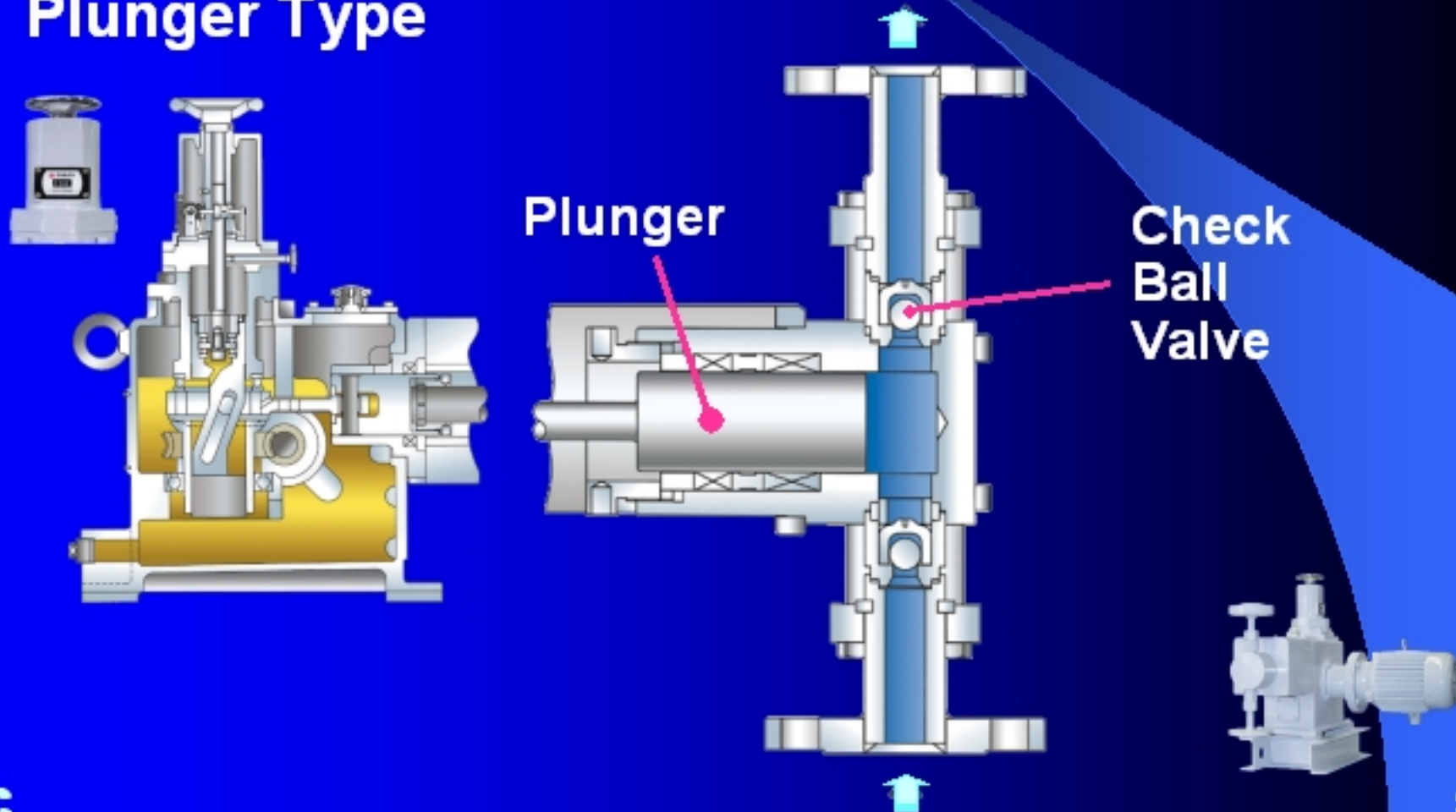


# SAMJIN Metering Pumps

## Construction

- HM3 Series

### Plunger Type



# SAMJIN Metering Pumps

- HM3 Series Technical Specification  
60 Hz

**Discharge Flow** : Max. 108 liter/min(Simplex)

**Discharge Pressure** : Max. 500 kgf/cm<sup>2</sup>

**Liquid Temp.** : Max. 500 °C

**Viscosity** : Max. 25000 cP

**Liquid End Material** : Stainless Steel, Hastelloy,  
Carpenter 20 & etc.

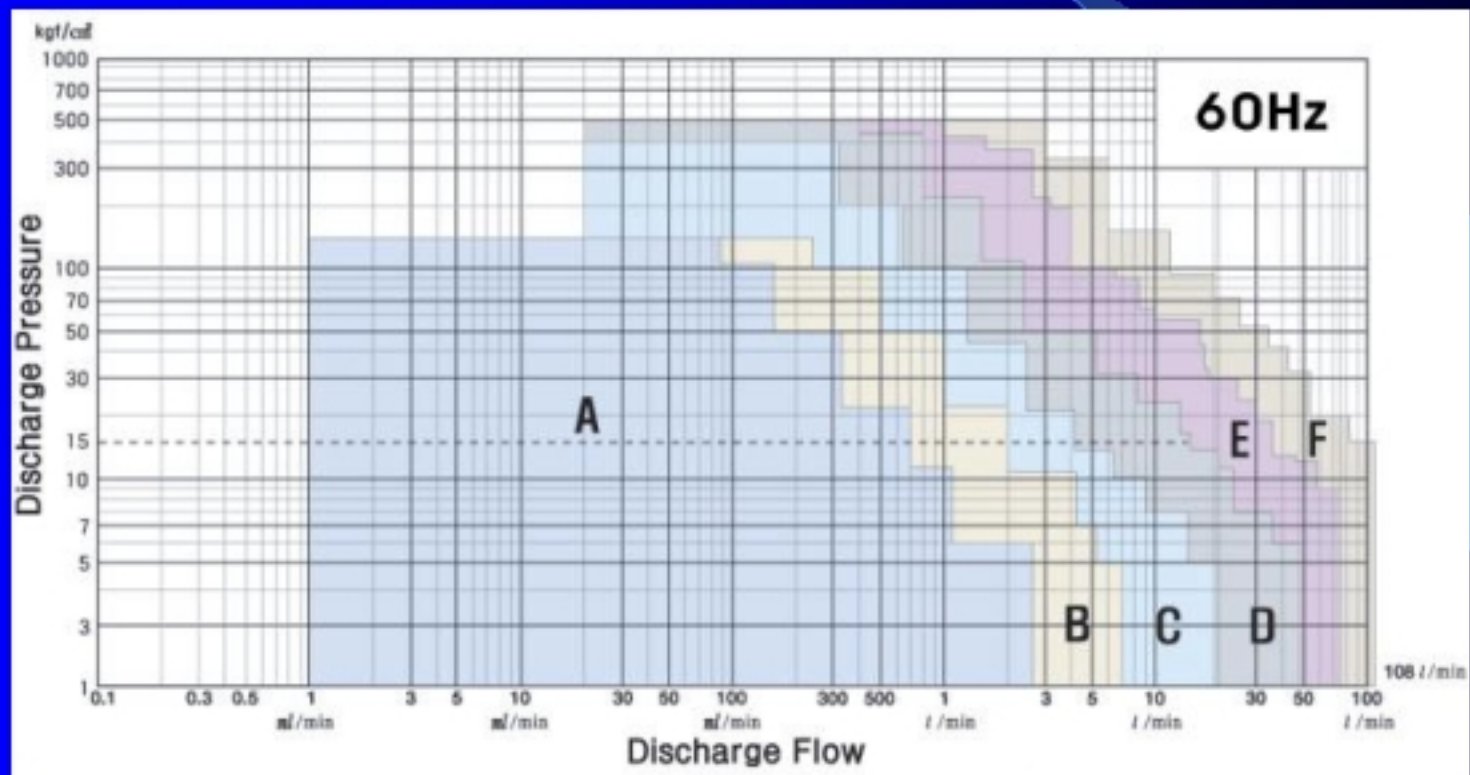
**Motor** : 0.2kW ~ 37kW, 4P

**Rated Voltage** : 220V ~ 480V

**Explosion Proof** : Flameproof / Increased  
Safety Type ( Outdoor )

# SAMJIN Metering Pumps

- HM3 Series Performance Curves (Simplex)  
60 Hz



# SAMJIN Metering Pumps

- HM3 Series Technical Specification  
50 Hz

**Discharge Flow** : Max. 114 liter/min(Simplex)

**Discharge Pressure** : Max. 500 kgf/cm<sup>2</sup>

**Liquid Temp.** : Max. 500 °C

**Viscosity** : Max. 25000 cP

**Liquid End Material** : Stainless Steel, Hastelloy,  
Carpenter 20 & etc.

**Motor** : 0.2kW ~ 37kW, 4P

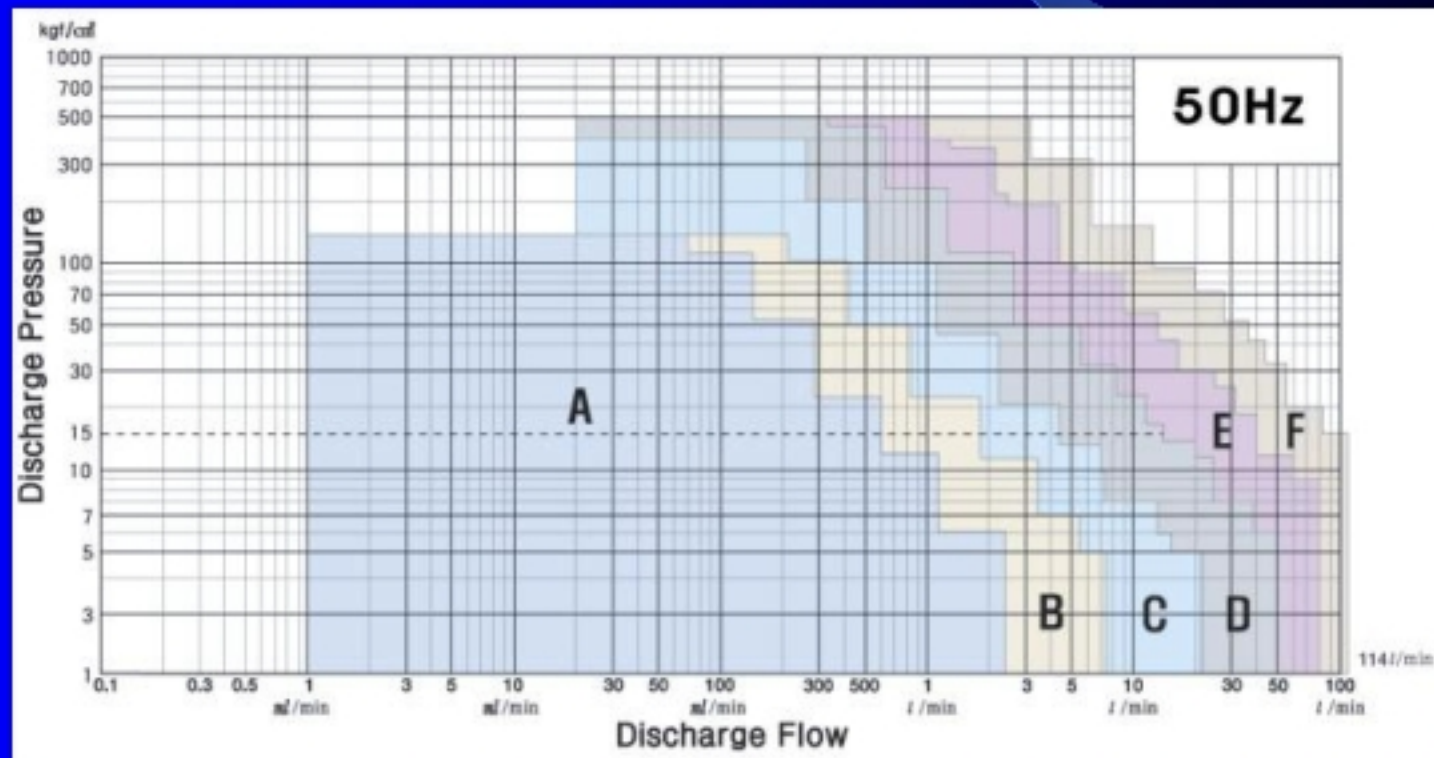
**Rated Voltage** : 200V, 380V, 400V

**Explosion Proof** : Flameproof / Increased  
Safety Type ( Outdoor )



# SAMJIN Metering Pumps

- HM3 Series Performance Curves (Simplex)  
50 Hz



# SAMJIN Metering Pumps

- HM3 Series Side View Illustration
- Diaphragm  
Type

