

# 9687 actuator changeover

sizes 1", 1.5" & 2"

February 2021

## OLD 9687 ACTUATOR



Old Actuator Codes: MG 25:  
 MG 25: 1/N  
 MG 40: 2/N  
 MG 50: 3/N

## NEW 9687 ACTUATOR



New Actuator Codes: MG 25:  
 MG 25: F/N  
 MG 40: H/N  
 MG 50: J/N

## OLD PART NUMBER EXAMPLES

Actuator: 9687 25Z **1/N**

Valve: 687 25D80405M1**1/N** SF5  
 687 25T88415M1**1/N** 2559 SF5  
 687 25B59405M1**1/N** SF5  
 687 25U8U415M1**1/N** 2594 SF5

## NEW PART NUMBER EXAMPLES

Actuator: 9687 25Z **1F/N**

Valve: 687 25D80405M1**F/N** SF5  
 687 25T88415M1**F/N** 2559 SF5  
 687 25B59405M1**F/N** SF5  
 687 25U8U415M1**F/N** 2594 SF5

## FAQs

**Will the new actuators cost more than the old model?** > There is **no price change** for the new actuators. The new actuator models offer improved performance at the same price as the old actuators.

**Are there any differences in performance?** > The new F/N, H/N, and J/N models are rated for **10 bar operating pressure** with both EPDM and PTFE diaphragms for normally open, normally closed, and double acting control functions. This is an improvement from the old actuator models, which were only rated for 6 bar with PTFE diaphragms. > The new actuator models utilize the **same instrument air pressure** as the old models.













**Are there any differences in components or construction?** > Models for all control functions now come standard with **brass fittings** for the air connections. > The normally open and double acting models now come standard with **visual indication**. > The new actuator models utilize an **increased number of bolts**.

**Are there any differences in aesthetics?** > The new actuator models have a **smooth exterior surface with bolts that fasten from the bottom** for improved suitability in washdown applications.

**Are there any difference in dimensions?** > The new actuator models have **slightly different dimensions**. Please consult the 687 datasheet for specifics.

## CHANGES IN DETAIL

# GEMU 9687 actuator and GEMU 687 diaphragm valve

Diaphragm Size		MG 25			MG 40			MG 50					
Control function 1 (Normally Closed)													
Actuator version		Old	New		Old	New		Old	New				
		1/N	F/M	F/N	2/N	H/M	H/N	3/N	J/M	J/N			
Operating pressure	EPDM diaphragms	10 bar	6 bar	10 bar	10 bar	6 bar	10 bar	10 bar	6 bar	10 bar			
	PTFE diaphragms	6 bar	6 bar	10 bar	6 bar	6 bar	10 bar	6 bar	6 bar	10 bar			
Dimensions [mm]	Diameter	126	130		158	171		211	211				
	Height without position indicator	144	149		177	182		212	212				
	Height with position indicator	160	165		197	202		238	238				
Union for actuator cover and base	Type	From above	From below		From above	From below		From above	From below				
	Number of bolts	6	8		6	8		6	10				
Optical position indicator		●	●		●	●		●	●				
RFID retainer for		Weld tag	Plug-In		Weld tag	Plug-In		Weld tag	Plug-In				
Control air bush material	Base	Brass	Brass		Brass	Brass		Brass	Brass				
Control function 2 & 3 (Normally Open & Double Acting)													
Actuator version		Old	New		Old	New		Old	New				
		1/N	F/N		2/N	H/N		3/N	J/N				
Operating pressure	EPDM diaphragms	10 bar	10 bar		10 bar	10 bar		10 bar	10 bar				
	PTFE diaphragms	6 bar	10 bar		6 bar	10 bar		6 bar	10 bar				
Dimensions [mm]	Diameter	126	130		158	171		211	211				
	Height without position indicator	105	113		133	139		155	162				
	Height with position indicator	111	142		138	167		161	200				
Union for actuator cover and base	Type	From above	From below		From above	From below		From above	From below				
	Number of bolts	6	8		6	8		6	10				
Optical position indicator		○	●		○	●		○	●				
RFID retainer for		Weld tag	Plug-In		Weld tag	Plug-In		Weld tag	Plug-In				
Control air bush material	Cover	Brass	Brass		Brass	Brass		Brass	Brass				
	Base	Plastic	Brass		Plastic	Brass		Plastic	Brass				
Availability	Actuator GEMÜ 9687	Until the end of 2022	From May 2020		Until the end of 2022	From May 2020		Until the end of 2022	From May 2020				
	Valve GEMÜ 687	Until May 2021			Until May 2021			Until May 2021					

○ = optional | ● = standard