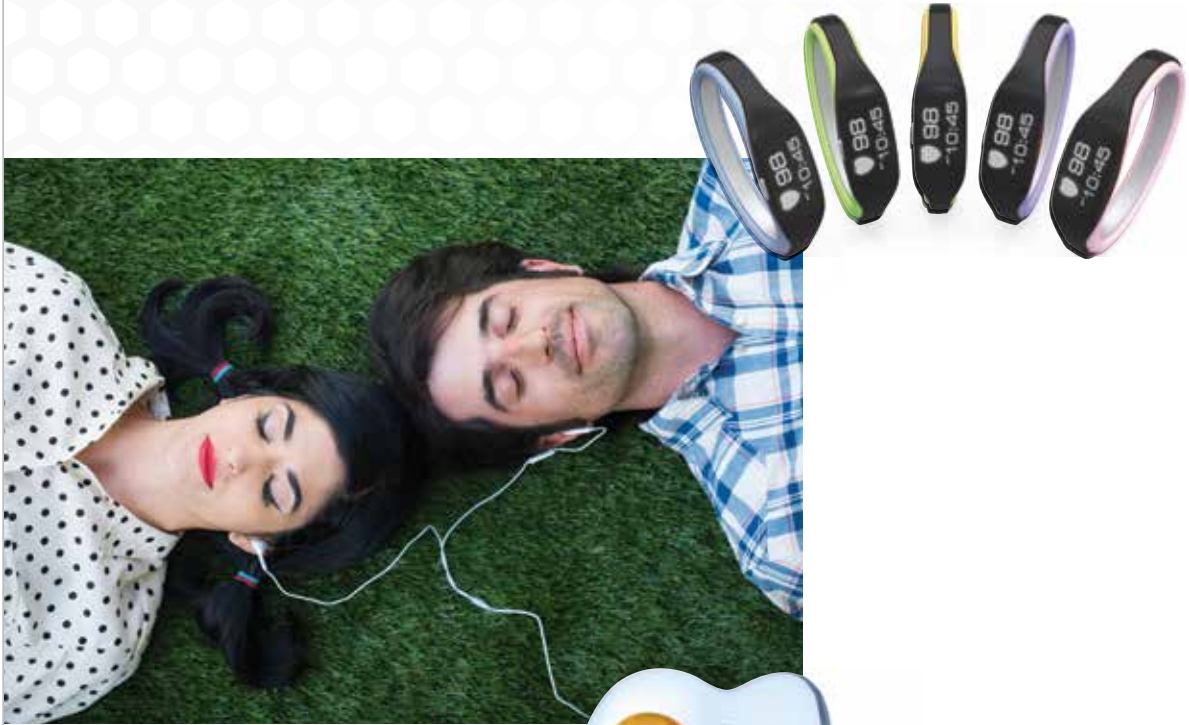


Graco Fluid Automation

Model Comparison Chart



Graco Fluid Automation

High-Precision technology for two-component liquid silicone rubber (LSR) injection molding



MODELS	MODELS	MODELS	MODELS
622	633	8-S4-5M and 8-CS4-5M (C=Color option, S=Side by Side)	F4-5 and F4-55
INDUSTRIES	INDUSTRIES	INDUSTRIES	INDUSTRIES
Medical and Prototyping Micro Molds (Shot sizes less than 1 gram)	Medical, Consumable and Electronics	Medical, Consumable and Electronics	Medical, Consumable, Electronic, Infant Care, Automotive, Wearable and Industrial Parts
TECHNICAL SPECIFICATIONS	TECHNICAL SPECIFICATIONS	TECHNICAL SPECIFICATIONS	TECHNICAL SPECIFICATIONS
<ul style="list-style-type: none"> – 1:1 fixed ratio – Cartridge feed – 6, 12, or 20 oz. – 3000 psi maximum feed pressure at barrel inlet – 40 cc maximum shot size (20 cc per cylinder) – Third and fourth stream option – PLC controls 	<ul style="list-style-type: none"> – 1:1 fixed ratio – 657, 657-4 and 659 feed stations – 3000 psi feed pump pressure – 150 cc maximum shot size – Third and fourth stream option – PLC controls 	<ul style="list-style-type: none"> – 1:1 fixed ratio – Continuous flow – Viscosity – 50,000 to 2,500,000 cps – Flow rate – 2-3 lb per minute @ 500,000 cps – Maximum output pressure – 3,700 psi – Pigment ratio range – up to 40% (range based on 3rd stream pump selection) – PLC controls – Air requirements – 10 cfm @ 100 psi 	<ul style="list-style-type: none"> – 1:1 ratio – Continuous flow – Viscosity – 50,000-5,000,000 cps – Flow rate – 0-5 lb per min – Maximum outlet pressure – 3,000 psi – Pigment ratio range – color injector style 0.5-6% – Graco Control Architecture (GCA) controls – Air requirements – 10 cfm @ 80 psi – Power requirements – 95-264 VAC, 50/60 Hz, 2.5A single phase
FEATURES AND BENEFITS	FEATURES AND BENEFITS	FEATURES AND BENEFITS	FEATURES AND BENEFITS
<ul style="list-style-type: none"> – Cartridge fill – Less material waste when switching materials frequently – Programmable feed pressure at barrel inlet – Direct material from a centralized location to one or more locations – Refill rate tied to A & B pressure transducers – Protects against drawing a vacuum – 4 injections (Color and Oil and Silicone A and Silicone B) – More control over color quality and pharmaceutical additions – PLC Controls – Easily control color injection and verify that the metering system fills correctly, without bubbles and other causes of wasted material – Refill Timer – Easily recognize when it's time to refill the cartridge. Avoid vacuums and consequent material waste with an audible and visual alarm – Pneumatic driven – Proportional air driven cylinders – Ensures a more consistent refill 	<ul style="list-style-type: none"> – Programmable feed pressure at barrel inlet – Direct material from a centralized location to one or more locations – Refill rate tied to A & B pressure transducers – Protects against drawing a vacuum – 4 injections (Color and Oil and Silicone A and Silicone B) – More control over color quality and pharmaceutical additions – PLC Controls – Easily control color injection and verify that the metering system fills correctly, without bubbles and other causes of wasted material – Refill Timer – Easily recognize when it's time to refill the cartridge. Avoid vacuums and consequent material waste with an audible and visual alarm – Pneumatic driven – Proportional air driven cylinders – Ensures a more consistent refill 	<ul style="list-style-type: none"> – 5 gallon pails – Easy dispensing from straight-sided pails – 8" pneumatic drive cylinder motor – Keeps material flowing at consistent rate – Separate material ram controls – Allow individual pressure control on each pail – Pneumatic main air valve shut-off – (8-CS4-5M only) offers added safety if high pressure occurs in third stream – Adjustable pigment ratio (1-5%) – To help you achieve precise color depth – 3 qt. pressurized pigment feed tank provides continuous supply to pump 	<ul style="list-style-type: none"> – Graco HG6000HR Flow Meter - High-quality Graco-built components provide precise ratio control for less material waste. – Two additive streams at .5-6% ratio - Achieve consistent color and a broader range of color tints – Quick-disconnect mechanism on pump – Provides a simplified cleaning process – Low-level material sensors – Less material waste with automatic ratio control – Graco Control Architecture (GCA) – Easy set-up and troubleshooting – Cleanroom convenience – A smaller footprint and casters (optional on F4-55) allow for easy system movement and maintenance

AMERICAS

MINNESOTA

Worldwide Headquarters
Graco Inc.
88-11th Avenue N.E.
Minneapolis, MN 55413

MAILING ADDRESS

P.O. Box 1441
Minneapolis, MN 55440-1441
Tel: 612-623-6000 Fax: 612-623-6777

OHIO

8400 Port Jackson Ave NW,
North Canton, OH 44720
Tel: 800-746-1334

EUROPE

BELGIUM

Graco BVBA
Industrieterrein-Oude Bunders
Slakweidestraat 31
B-3630 Maasmechelen,
Belgium
Tel: 32 89 770 700 Fax: 32 89 770 777

ASIA PACIFIC

AUSTRALIA

Graco Australia Pty Ltd.
Suite 17, 2 Enterprise Drive
Bundoora, Victoria 3083
Australia
Tel: 61 3 9468 8500 Fax: 61 3 9468 8599

CHINA

Graco Hong Kong Ltd.
Shanghai Representative Office
Building 7
1029 Zhongshan Road South,
Huangpu District
Shanghai, 200011
The People's Republic of China
Tel: 86 21 649 50088 Fax: 86 21 649 50077

INDIA

Graco Hong Kong Ltd.
India Liaison Office
Room 443, Level 4
Augusta Point, Golf Course Road
Gurgaon, Haryana, India 122001
Tel: 91 124 435 4208 Fax: 91 124 435 4001

JAPAN

Graco K.K.
1-27-12 Hayabuchi
Tsuzuki-ku
Yokohama City, Japan 2240025
Tel: 81 45 593 7300 Fax: 81 45 593 7301

KOREA

Graco Korea Inc.
Shinhan Bank Building
4th Floor #1599
Gwanyang-Dong, Dongan-Ku,
Anyang-si, Korea 431-060
Tel: 82 31 476 9400
Fax: 82 31 476 9801

Graco Fluid Automation Systems – Engineering know-how meets manufacturing excellence

In November of 2012, Fluid Automation, Inc., a renowned innovator in the engineering of metering and dispensing equipment for liquid silicone rubber materials, joined forces with Graco Inc., a world leader in fluid handling systems and components since 1926.

The result is Graco Fluid Automation, committed to delivering the highest quality products, technical expertise, world-class manufacturing and unparalleled service.



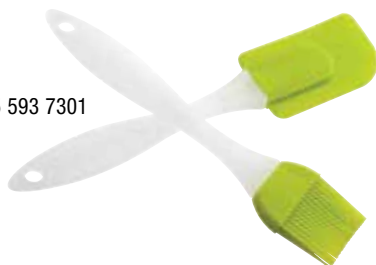
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