

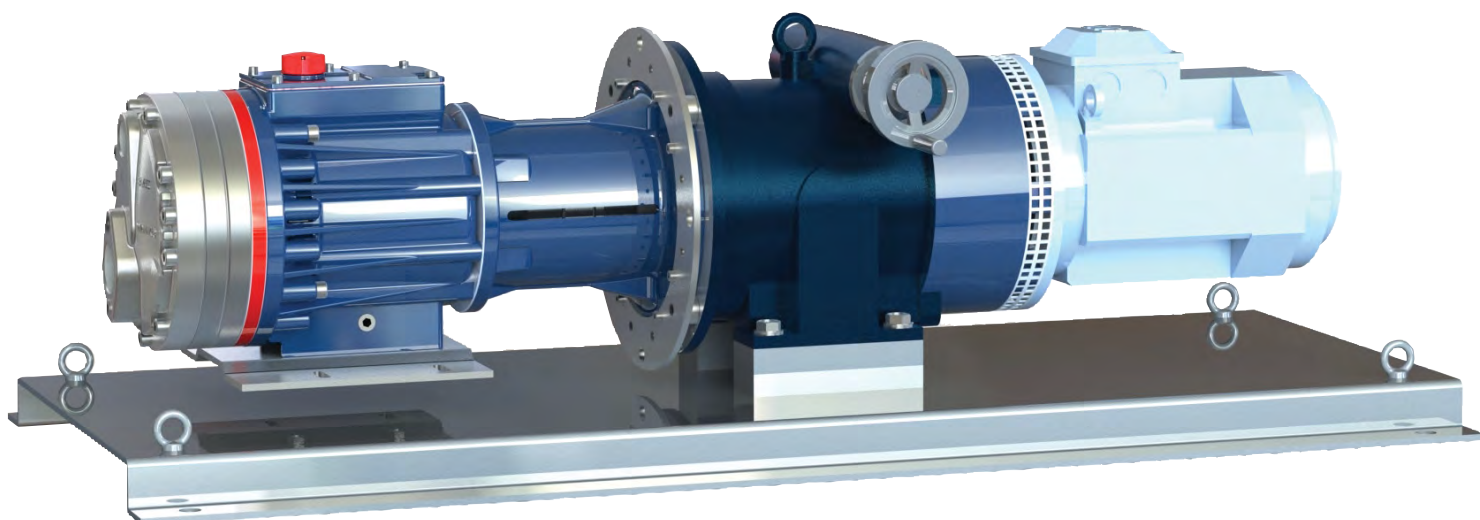
G25 Series Dosing Range

Maximum Flow Rate: up to 2600 l/hr (687 gph)
Maximum Pressure: up to 60 bar (870 psi) for Metallic Pump Heads
up to 20 bar (290 psi) for Non-metallic Pump Heads

API 674



WANNER
Hydra-Cell[®]
Seal-less Pump Technology



G25-M4L with Stainless Steel pump head

Meeting & Exceeding API 675 Performance Standards

- Steady State Accuracy: $\pm 1\%$
- Linearity: $\pm 3\%$ (over a 10 to 1 turn-down as per API 675)
- Repeatability: $\pm 3\%$
- Infinite turn-down achievable

G25 Series **Dosing Range Performance**

Capacities

Flow

Model	Max. Pump Input	Min. Flow		Max. Flow	
	rpm	gph	l/hr	gph	l/hr
@ 20 bar (290 psi)					
G25-M4L	600	57	216	687	2600
@ 60 bar (870 psi)					
G25-M4M	600	57	216	687	2600

Pressure

Maximum Inlet Pressure

Up to 17 bar (250 psi) for all models

Maximum Discharge Pressure

Metallic Pump Heads:

G25-M4L up to 20 bar (290 psi)

G25-M4M up to 60 bar (870 psi)

Non-metallic Pump Heads (for all models):

Up to 17 bar (250 psi) Polypropylene

Up to 24 bar (350 psi) PVDF

Performance and specification ratings apply to G25 configurations unless specifically noted otherwise.

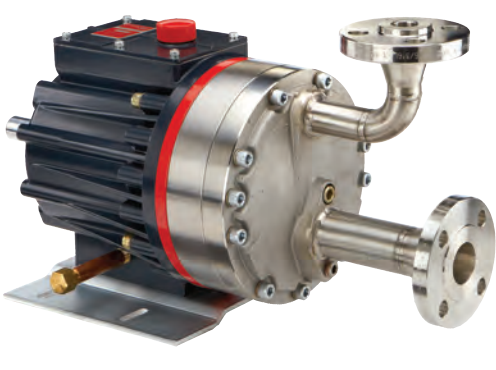
Pump Head Examples



G25 with Brass pump head



G25 with Polypropylene pump head



G25 with Stainless Steel pump head and
ANSI RF flanges

G25 Series Dosing Range Specifications

Flow Capacities @ 20 bar (290 psi)

Model	Max. Pump Input rpm	Min. Flow gph l/hr	Max. Flow gph l/hr
G25-M4L	600	57 216	687 2600

Flow Capacities @ 60 bar (870 psi)

Model	Max. Pump Input rpm	Min. Flow gph l/hr	Max. Flow gph l/hr
G25-M4M	600	57 216	687 2600

Maximum Discharge Pressure

Metallic Heads	G25-M4L: 20 bar (290 psi) G25-M4M: 60 bar (870 psi)
Non-metallic Heads (for all models)	Up to 17 bar (250 psi) Polypropylene Up to 24 bar (350 psi) PVDF

Maximum Inlet Pressure

Maximum Operating Temperature

Metallic Heads	121 °C (250 °F) - Consult factory for correct component selection for temperatures from 71 °C (160 °F) to 121 °C (250 °F).
Non-metallic Heads	60 °C (140 °F)

Maximum Solids Size

Inlet Port	1-1/2 inch BSPT 1-1/2 inch NPT 150lb ANSI RF Flange 2 inch Tri-clamp
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Discharge Port

1 inch BSPT 1 inch NPT 600lb ANSI RF Flange 1 inch Tri-clamp

Shaft Diameter (for motor input)

G25:	28.6mm (1-1/8 inch)
G25-M4L:	Requires 3kW, IEC 100, 4-Pole, B5 Motor
G25-M4M:	Requires 7.5kW, IEC 132, 4-Pole, B5 Motor

Shaft Rotation

Bearings

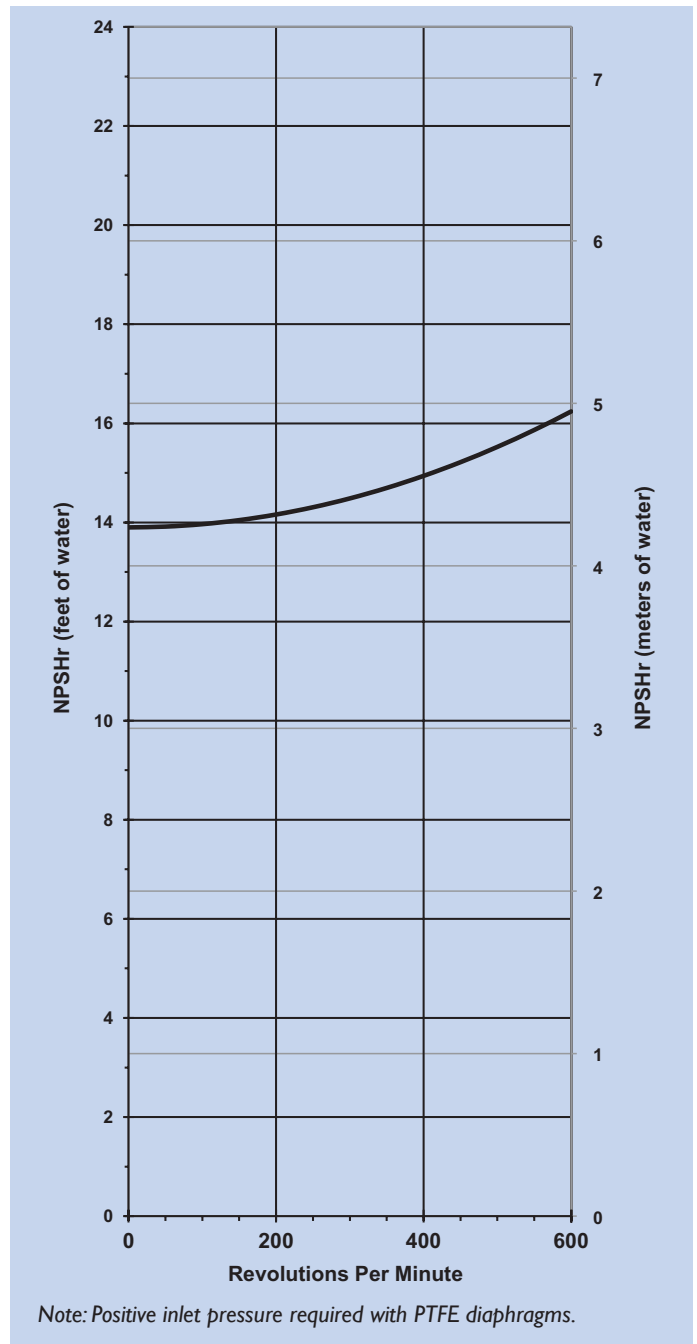
Oil Capacity

Traction Fluid Capacity

Weight

	Metallic Heads	Non-metallic Heads
G25 Pump:	56.8kg	40.9 kg
G25-M4L Assembly:	approx. 196 kg	approx. 180 kg
G25-M4M Assembly:	approx. 305 kg	approx. 289 kg

Net Positive Suction Head (NPSHr)



Self-priming:

Each Hydra-Cell pump has different lift capability depending on model size, cam angle, speed, and fluid characteristics. To ensure that your specific lift characteristics are met, refer to the inlet calculations regarding friction, and acceleration head losses in your Hydra-Cell Installation & Service Manual. Compare those calculations to the NPSHr curves above.

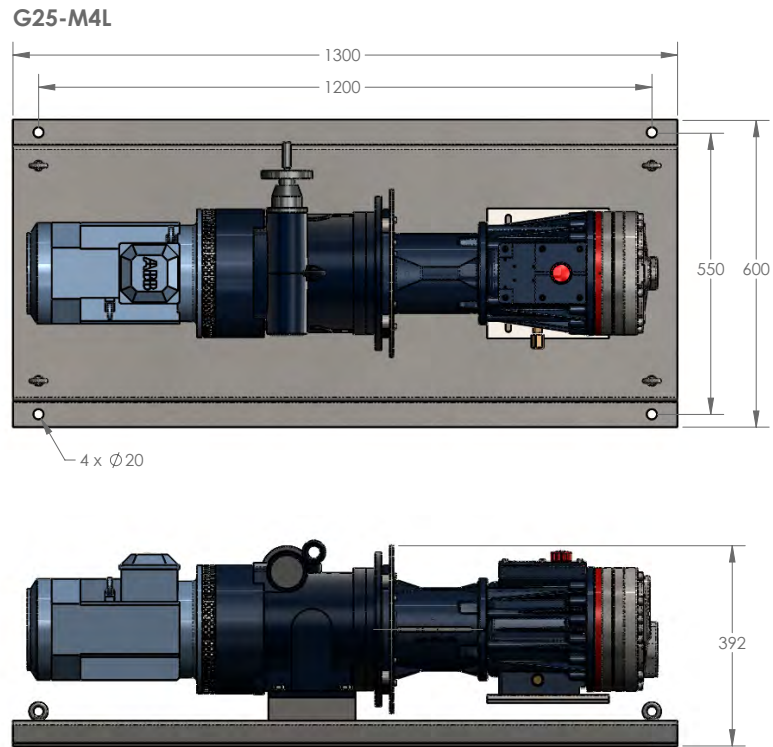


G25-M4M with Stainless Steel pump head and BSPT ports

G25 Series Dosing Range General Assemblies

Model G25-M4L

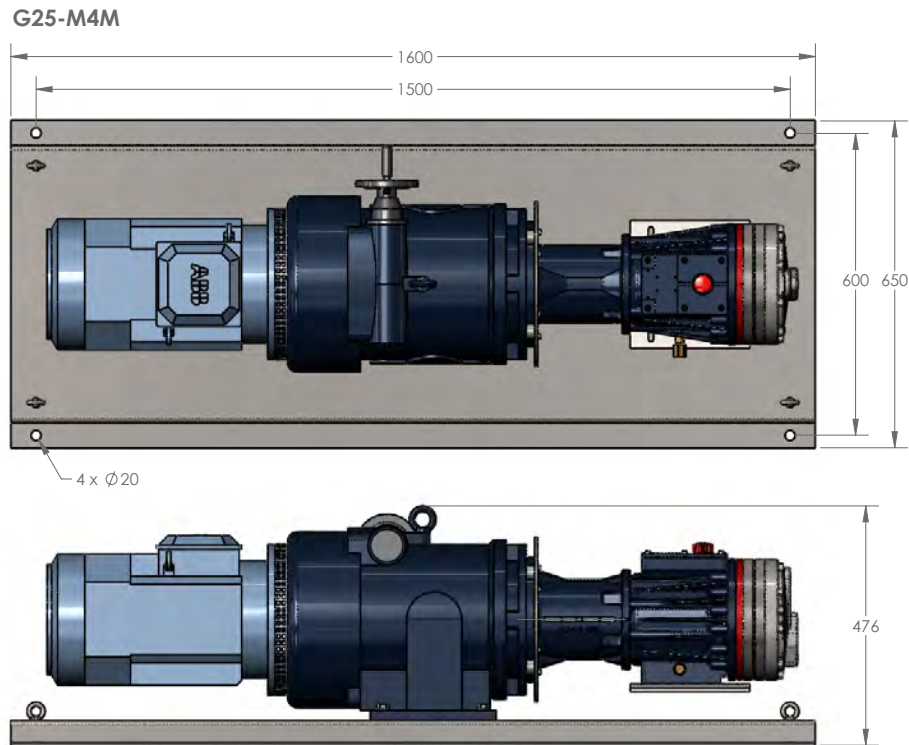
Dosing range 216 - 2600 l/hr (57 - 687 gph) @ 20 bar (290 psi) max.



Unit Weight = 196 Kg

Model G25-M4M

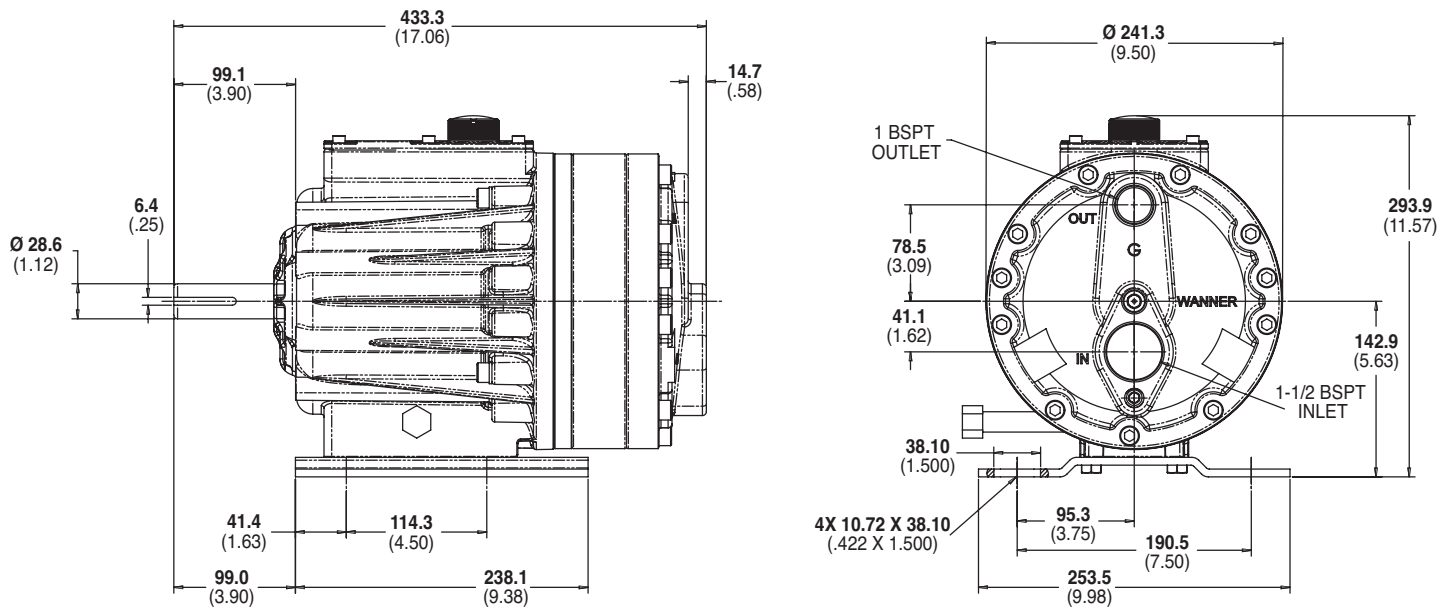
Dosing range 216 - 2600 l/hr (57 - 687 gph) @ 60 bar (870 psi) max.



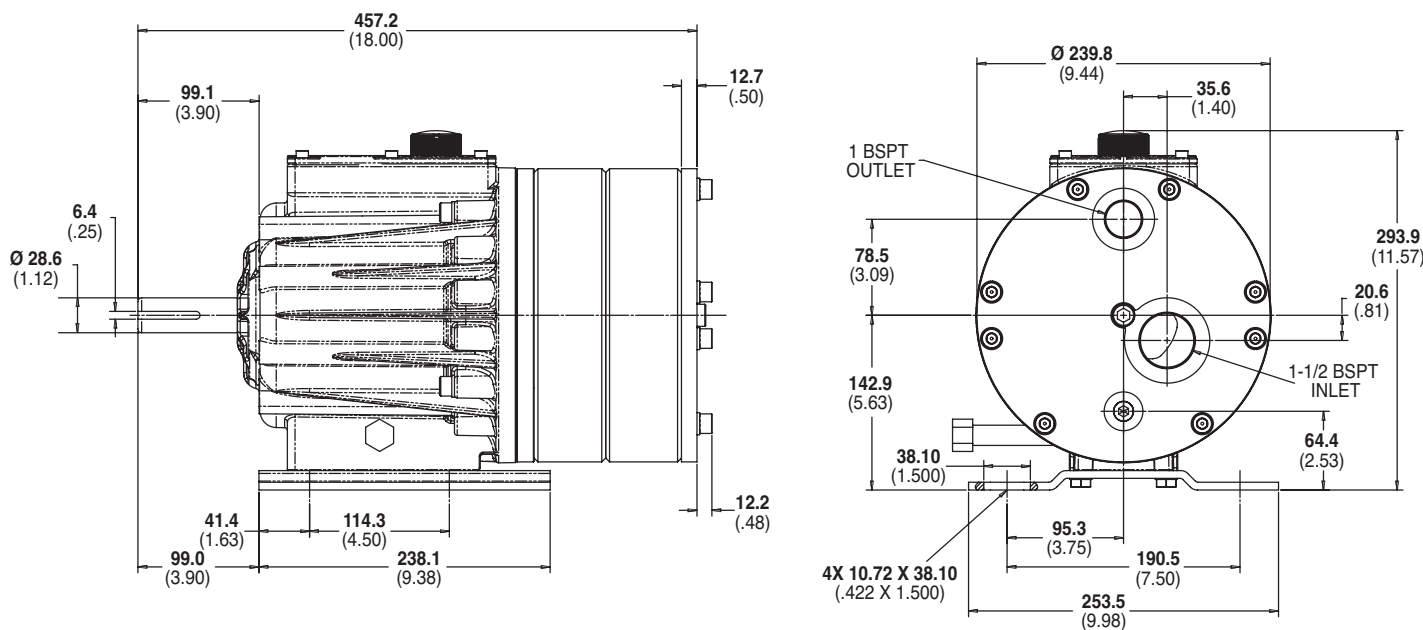
Unit Weight = 305 Kg

G25 Series Representative Drawings

G25 Models with Metallic Pump Head mm (Inches)



G25 Models with Non-metallic Pump Head mm (Inches)

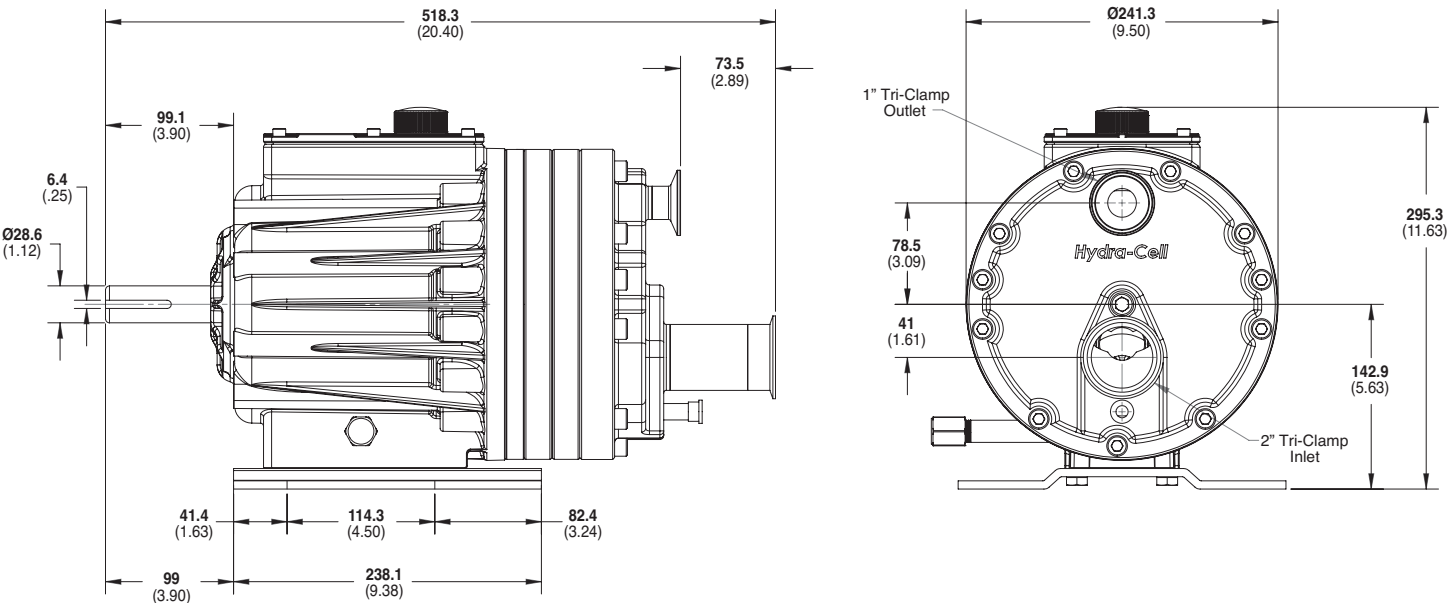


Note: Contact factory for additional drawings of specific models and configurations.

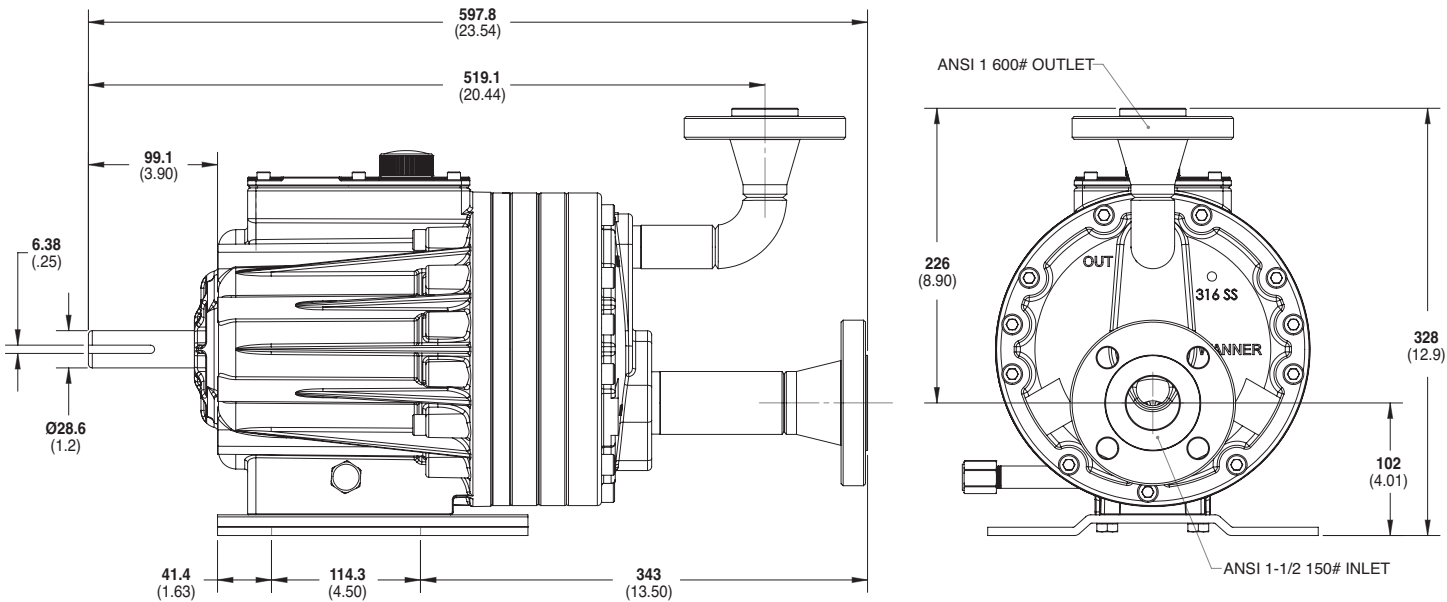
G25 Series Representative Drawings

G25 Models with Tri-clamp Flanges mm (Inches)

Maximum Discharge Pressure: 60 bar



G25 Models with ANSI RF Flanges mm (Inches)



Note: Contact factory for additional drawings of specific models and configurations.

G25 Series Dosing Range How to Order

Ordering Information

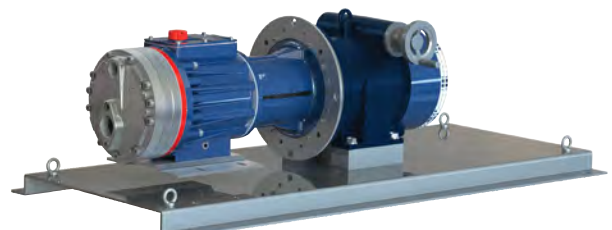
¹ G	² 2	³ 5	⁴ X	⁵	⁶	⁷	⁸	⁹	¹⁰	¹¹	¹²	¹³ M	¹⁴ 4	¹⁵
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A complete G25 Series Dosing Range Model Number contains 15 digits including 9 customer-specified design and materials options, for example: G25XMCGNNECAM4L.

Digit	Order Code	Description
1-3	G25	Pump Configuration Shaft-driven (BSPT Ports or ANSI Flanges)* * Pump/motor adapters ordered separately
4	X	Hydraulic End Cam Max. 2600 l/hr (687 gph) @ 600 rpm
5	K	Pump Head Version Kel-Cell BSPT Ports
	M	Machined housing to accept C-face adaptor/gearbox
	-	ATEX 2014/34/EU Certified, Category 2, Zone 1, Hazardous Liquids
	-	ATEX 2014/34/EU Certified, Category 2, Zone 1, Non-Hazardous Liquids
	-	ATEX 2014/34/EU Certified, Category 3, Zone 2
		<i>Note: All options include Certificate, Oil Level Monitor or Sight Glass, Earth Stud & Secondary ATEX Label.</i>
6		Pump Head Material
	B	Brass
	C	Cast Iron (Nickel-plated)
	G	Duplex Alloy 2205 (with Hastelloy C followers & follower screws)
	M	PVDF (with Hastelloy C followers & follower screws)
	N	Polypropylene (with Hastelloy C followers & follower screws)
	P	Polypropylene (with 316L Stainless Steel followers & follower screws)
	R	316L Stainless Steel with ANSI RF Flanges, Class 150lb x 600lb
	S	316L Stainless Steel
	-	316L Stainless Steel with Tri-clamp (2" Inlet & 1" Discharge) Flanges polished to 0.8 Ra♦
	-	316L Stainless Steel with Tri-clamp (2" Inlet & 1" Discharge) Flanges polished to 0.4 Ra♦
		<i>Tri-clamp options include polishing of Pump Head, Valve Plate, Valves, Valve Seats, Springs & Retainers to 0.8 Ra or 0.4 Ra per above, Sanitary Drain along with TSE, Passivation, Surface Finish & Weld Procedure Certificates</i>
	T	Hastelloy CW12MW ♦ Selecting this option will result in a Wanner International generated Pump Code, stamped onto the pump.
7		Diaphragm & O-ring Material
	A	Aflas diaphragm / PTFE o-ring
	E	EPDM (requires EPDM-compatible oil - Digit 12 oil code C)
	G	FKM
	J	PTFE (available with E and S cams only; 1050 rpm max.)
	K	FFKM diaphragm / PTFE o-ring
	P	Neoprene
	T	Buna-N

Digit	Order Code	Description
8		Valve Seat Material
	C	Ceramic
	D	Tungsten Carbide
	H	17-4 Stainless Steel
	N	Nitronic 50
	T	Hastelloy C
9		Valve Material
	C	Ceramic
	D	Tungsten Carbide
	F	17-4 Stainless Steel
	N	Nitronic 50
	T	Hastelloy C
10		Valve Springs
	E	Elgiloy
	H	17-7 Stainless Steel
	T	Hastelloy C
11		Valve Spring Retainers
	C	Celcon
	H	17-7 Stainless Steel
	M	PVDF
	P	Polypropylene
	T	Hastelloy C
	Y	Nylon (Zytel)
12		Hydra-Oil
	A	10W30 standard-duty oil
	B	40-wt for continuous-duty oil (use with 316L SST or Hastelloy CW12MW pump head - standard)
	C	EPDM-compatible oil
	E	Food-contact oil
	G	5W30 cold-temp severe-duty synthetic oil
	H	15W50 high-temp severe-duty synthetic oil
13 - 15		Dosing Range
	M4L	216 - 2600 l/hr (57 - 687 gph) @ 600 rpm max. Requires a 3kW, IEC 100, 4-Pole, B5 Motor (not included, but available on request)
	M4M	216 - 2600 l/hr (57 - 687 gph) @ 600 rpm max. Requires a 7.5kW, IEC 132, 4-Pole, B5 Motor (not included, but available on request)

G25 Pump Housing is standard as Cast Aluminum.
Upgrade to Ductile Iron available.



Scope of supply as above



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