

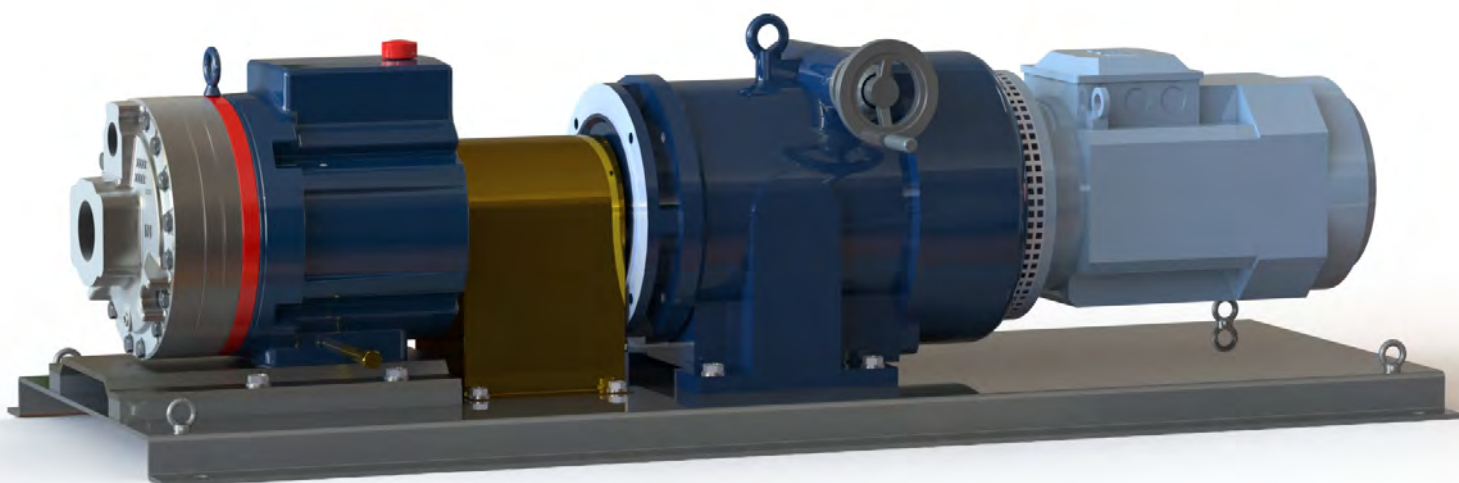
G35 Series Dosing Range

Maximum Flow Rate: up to 6360 l/hr (1680 gph)
Maximum Pressure: up to 30 bar (435 psi) for Metallic Pump Heads

API 674



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



G35-M4L with Stainless Steel pump head and SAE flanges

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

G35 Series Dosing Range Performance

Capacities

Flow

Model	Max. Pump Input	Min. Flow		Max. Flow	
	rpm	gph	l/hr	gph	l/hr
@ 10 bar (145 psi)					
G35-M2L	800	209	792	1680	6360
@ 30 bar (435 psi)					
G35-M4L	600	104	396	1268	4800

Pressure

Maximum Inlet Pressure

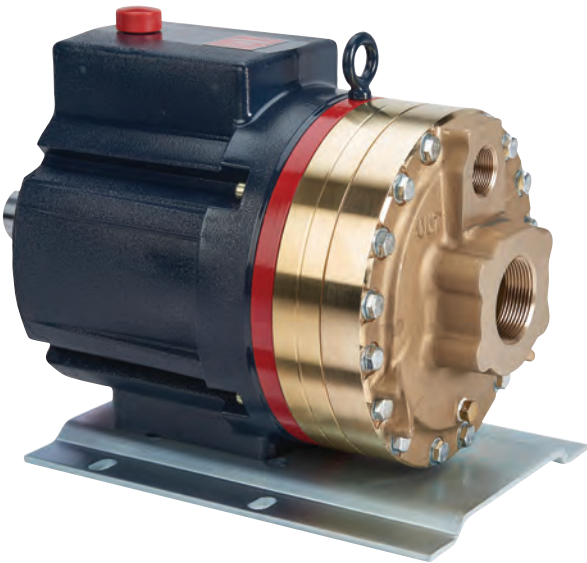
- G35-M2L up to 10 bar (145 psi)
- G35-M4L up to 17 bar (250 psi)

Maximum Discharge Pressure

- G35-M2L up to 10 bar (145 psi) @ 800 rpm max.
- G35-M4L up to 30 bar (435 psi) @ 600 rpm max.

Performance and specification ratings apply to G35 configurations unless specifically noted otherwise.

Pump Head Examples



G35 with Brass pump head

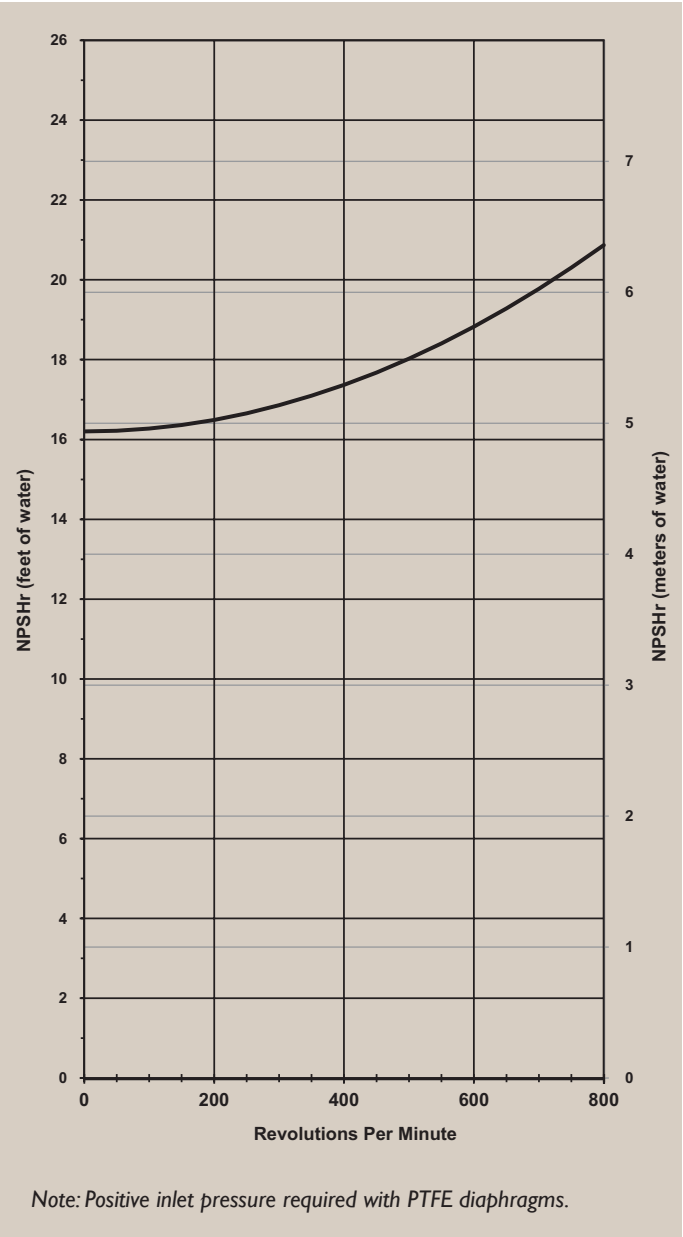


G35 with Stainless Steel pump head and ANSI RF flanges

G35 Series Dosing Range Specifications

Flow Capacities @ 10 bar (145 psi)					
Model	Max. Pump Input	Min. Flow		Max. Flow	
	rpm	gph	l/hr	gph	l/hr
G35-M2L	800	209	792	1680	6360
Flow Capacities @ 30 bar (435 psi)					
Model	Max. Pump Input	Min. Flow		Max. Flow	
	rpm	gph	l/hr	gph	l/hr
G35-M4L	600	105	396	1268	4800
Maximum Discharge Pressure					
Metallic Heads		G35-M2L:	10 bar (145 psi) @ 800 rpm		
		G35-M4L:	30 bar (435 psi) @ 600 rpm		
Maximum Inlet Pressure		G35-M2L:	up to 10 bar (145 psi)		
		G35-M4L:	up to 17 bar (246 psi)		
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).			
Maximum Solids Size		800 microns			
Inlet Port		2-1/2 inch BSPT 2-1/2 inch NPT 150lb or 600lb ANSI RF Flange 3 inch SAE			
Discharge Port		1-1/4 inch BSPT 1-1/4 inch NPT 600lb or 1500lb ANSI RF Flange 1-1/4 inch SAE			
Shaft Diameter (for motor input)					
		G35:	50.8 mm (2 inch)		
		G35-M2L:	Requires 4kW, IEC 112, 2-Pole, B5 Motor		
		G35-M4L:	Requires 7.5kW, IEC 132, 4-Pole, B5 Motor		
Shaft Rotation		Reverse (bi-directional)			
Bearings		Tapered roller bearings			
Oil Capacity		G35 Pump Only:		7.3 litres (7.75 US quarts)	
Traction Fluid Capacity		G35-M2L Gearbox Only:		850 ml (0.9 US quart)	
		G35-M4L Gearbox Only:		3.2 litres (3.4 US quarts)	
Weight					
Metallic Heads		G35 Pump:		116.6 kg	
		G35-M2L Assembly:		approx. 268 kg	
		G35-M4L Assembly:		approx. 358 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.

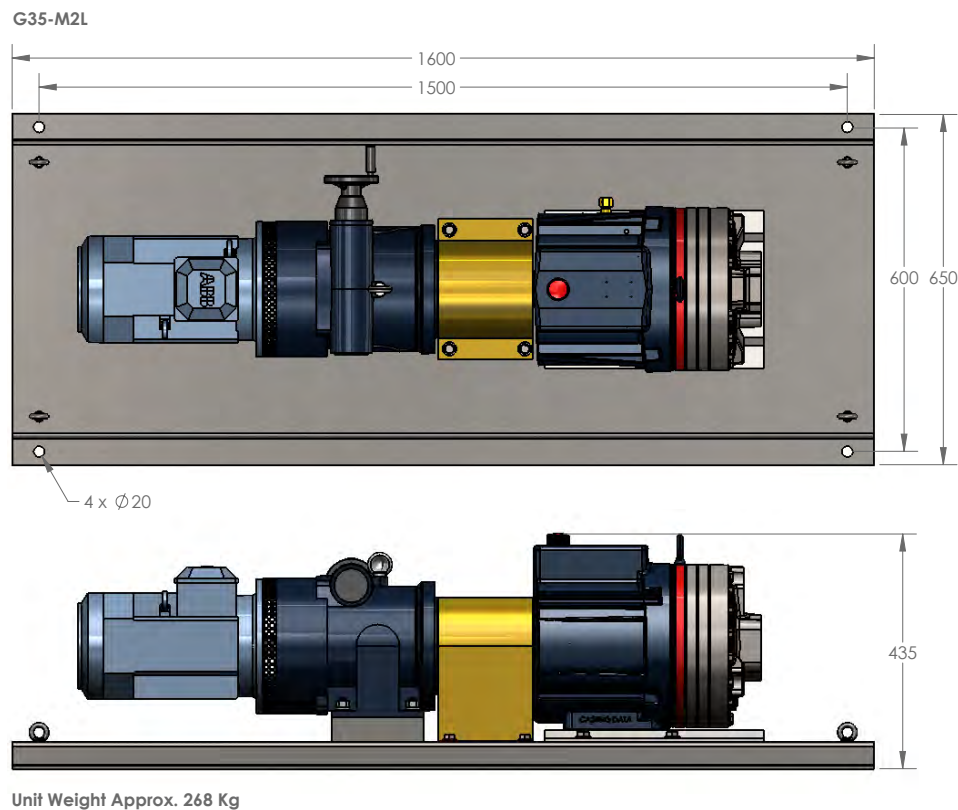
G35-M2L with Stainless Steel pump head and SAE flanges



G35 Series Dosing Range General Assemblies

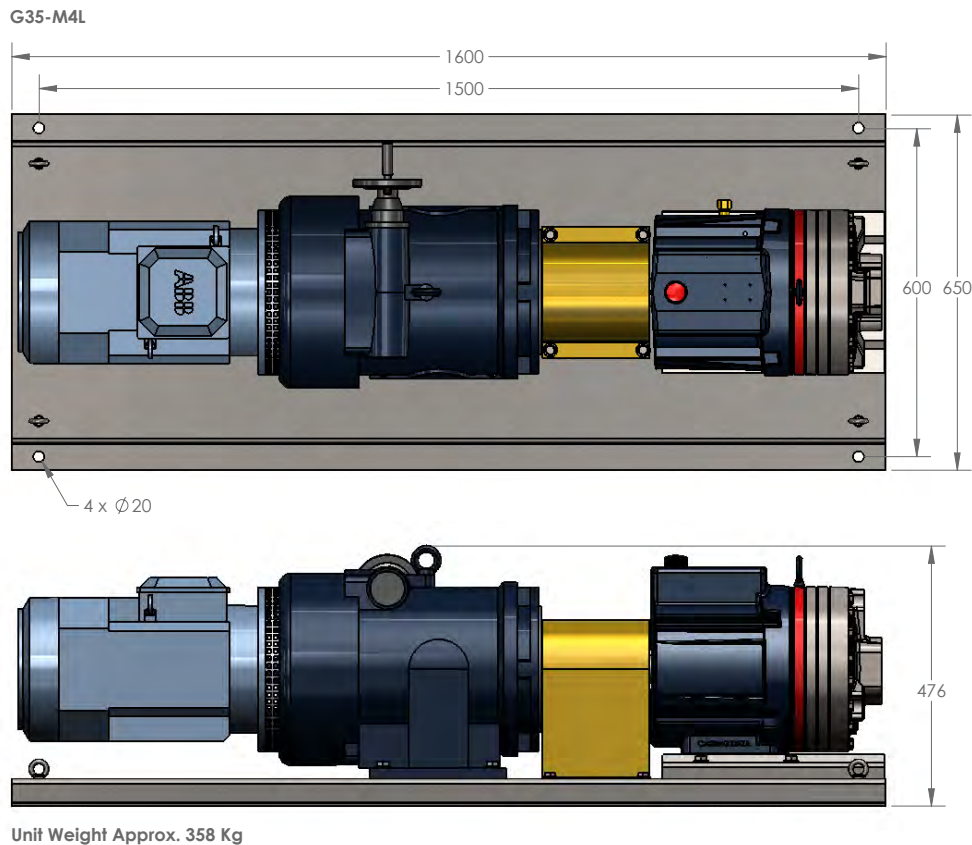
Model G35-M2L

Dosing range 792 - 6360 l/hr (209 - 1680 gph) @ 10 bar (145 psi) max.



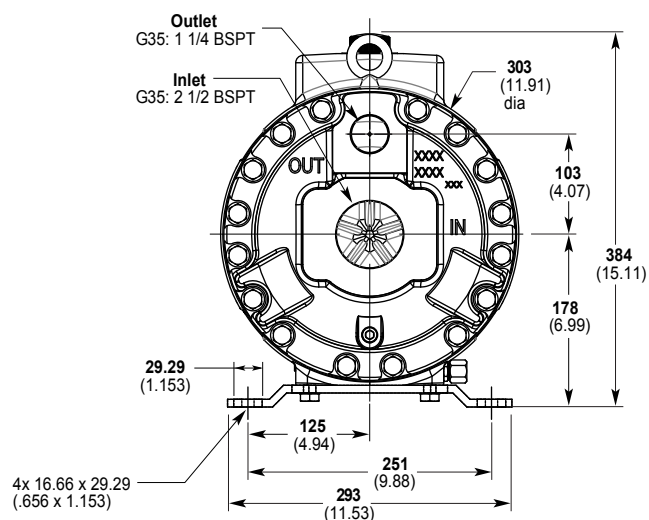
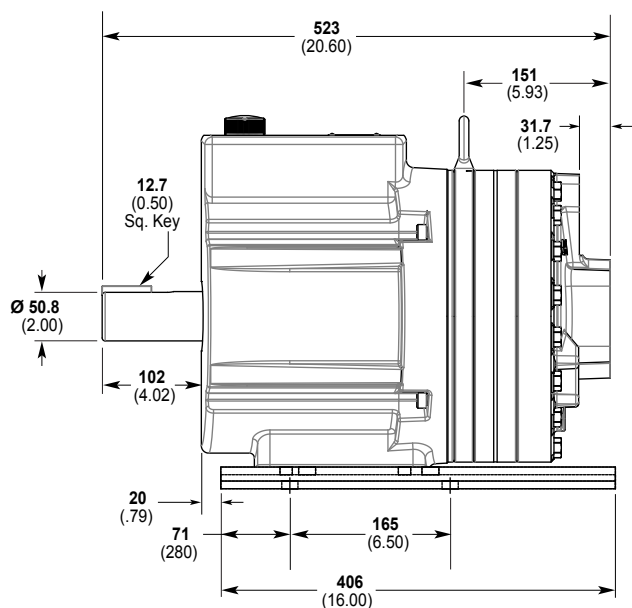
Model G35-M4L

Dosing range 396 - 4800 l/hr (104 - 1268 gph) @ 30 bar (435 psi) max.

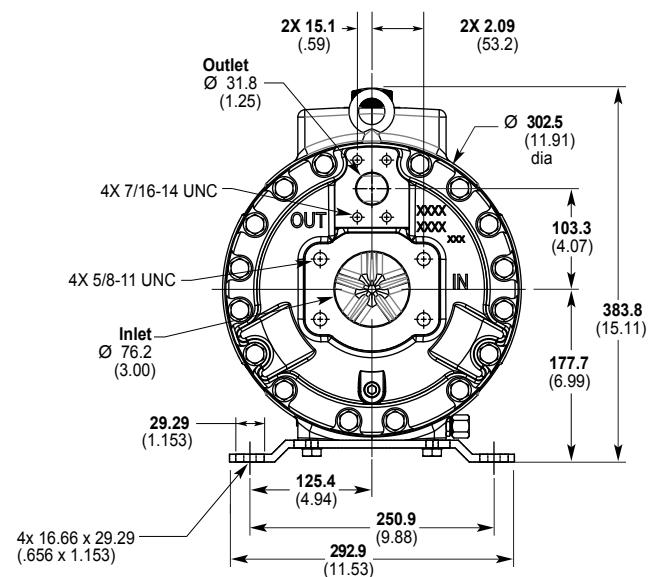
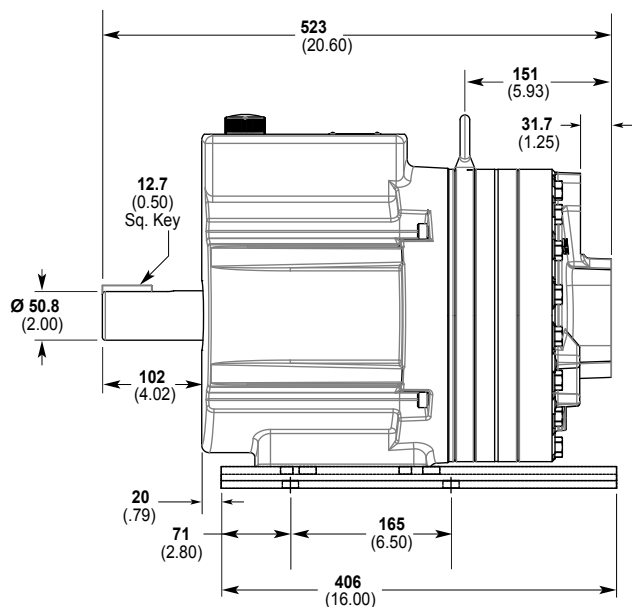


G35 Series Representative Drawings

G35 Models with BSPT Inlet/Outlet Ports mm (Inches)



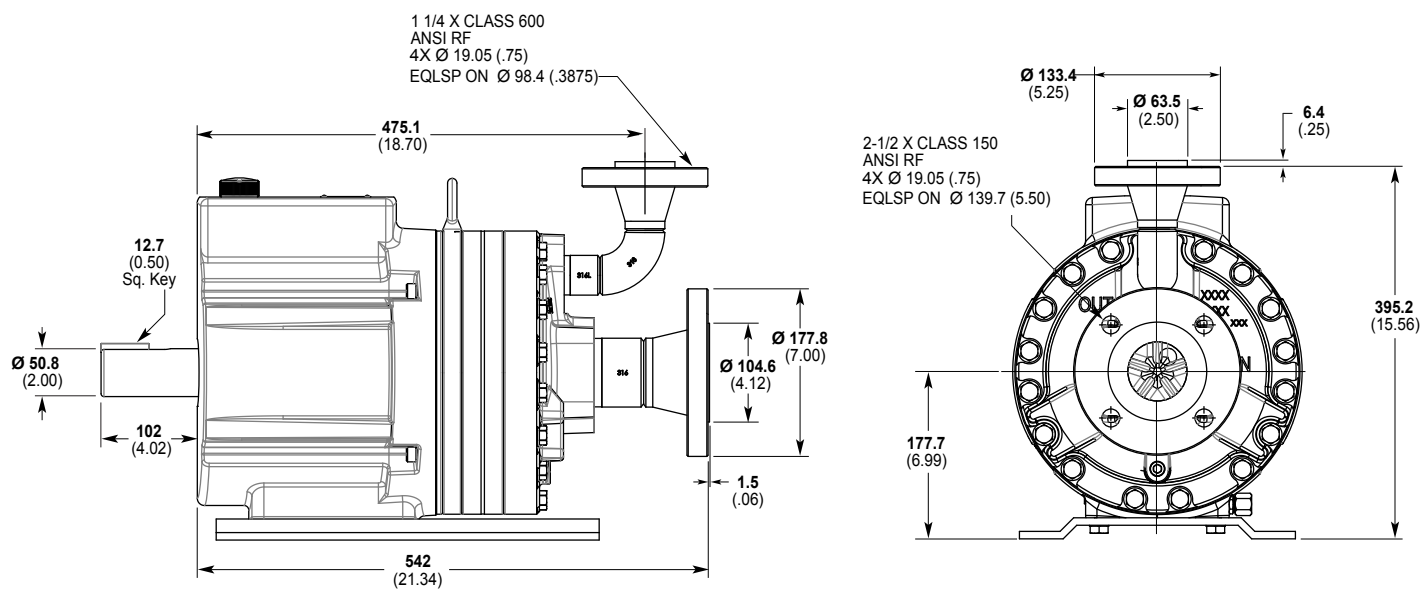
G35 Models with SAE Flange Inlet/Outlet Ports mm (Inches)



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

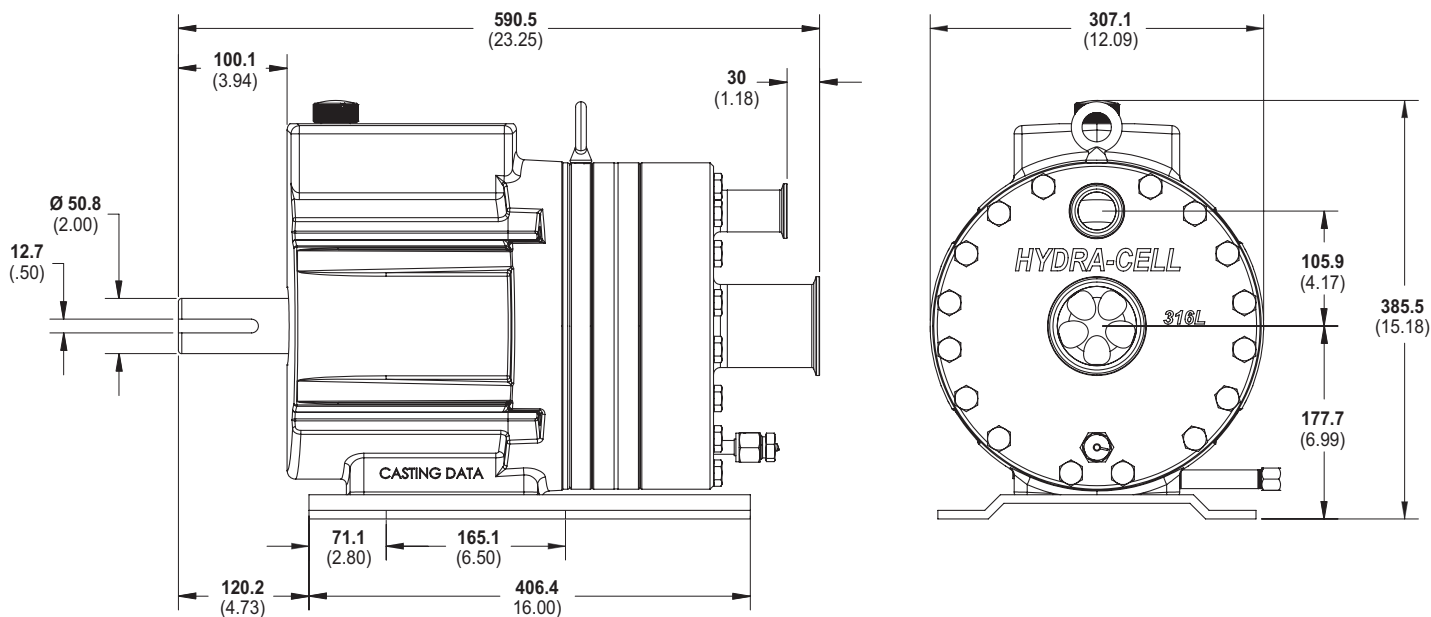
G35 Series Representative Drawings

G35 Models with ANSI RF Flange Inlet/Outlet Ports mm (Inches)



G35 Models with Tri-clamp Flanges mm (Inches)

Maximum Discharge Pressure: 30 bar (435 psi)



G35 Series Dosing Range How to Order

Ordering Information

¹ G	² 3	³ 5	⁴ X	⁵	⁶	⁷	⁸	⁹	¹⁰	¹¹	¹²	¹³ M	¹⁴	¹⁵ L
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A complete G35 Series Dosing Range Model Number contains 15 digits including 9 customer-specified design and materials options, for example: G35XKBTHFECAM2L.

Digit	Order Code	Description
1-3		Pump Configuration
	G35	Shaft-driven (BSPT Ports)
	D35	Shaft-driven (NPT Ports or ANSI Flanges or SAE Flanged Ports)
4	X	Hydraulic End Cam Max 6360 l/hr (1680 gph)
5		Pump Head Version
	K	Kel-Cell (BSPT Ports or ANSI Flanges)
	E	Kel-Cell (SAE Flanged Ports - only supplied with D35 pumps)
	-	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)
	Q	316L Stainless Steel with ANSI RF Flanges, Class 600lb x 1500lb
	R	316L Stainless Steel with ANSI RF Flanges, Class 150lb x 600lb
	S	316L Stainless Steel (Threaded or SAE Ports)
	-	316L Stainless Steel with Tri-clamp (3" Inlet & 1-1/2" Discharge) Flanges polished to 0.8 Ra♦
	-	316L Stainless Steel with Tri-clamp (3" Inlet & 1-1/2" 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 D)
	G	FKM
	J	PTFE (available with E cam only; 1050 rpm max.)
	K	FFKM diaphragm / PTFE o-ring
	P	Neoprene
	T	Buna-N
8		Valve Seat Material
	C	Ceramic
	D	Tungsten Carbide
	H	17-4 Stainless Steel
	N	Nitronic 50
	T	Hastelloy C

Digit	Order Code	Description
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)
	D	EPDM-compatible oil
	F	Food-contact oil
	G	5W30 cold-temp severe-duty synthetic oil
	H	15W50 high-temp severe-duty synthetic oil
13 - 15		Dosing Range
	M2L	792 - 6360 l/hr (209 - 1680 gph) @ 800 rpm max. Requires a 4kW, IEC 112, 2-Pole, B5 Motor (not included, but available on request)
	M4L	396 - 4800 l/hr (104 - 1268 gph) @ 600 rpm max. Requires a 7.5kW, IEC 132, 4-Pole, B5 Motor (not included, but available on request)

G35 Pump Housing is standard as Cast Aluminum.
Upgrade to Ductile Iron available.





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