

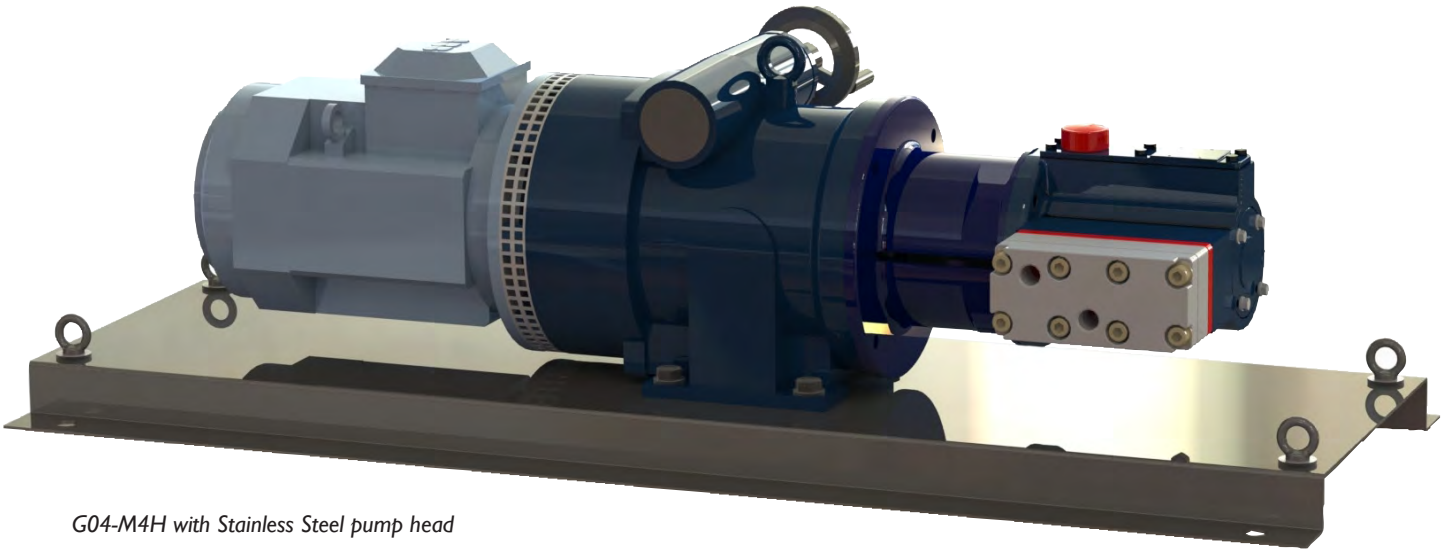
G04 Series Dosing Range

Maximum Flow Rate: up to 452 l/hr (119 gph)

Maximum Pressure: up to 172 bar (2500 psi) for Metallic Pump Heads



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



G04-M4H 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

G04 Series **Dosing Range Performance**

Capacities

Flow

Model	Max. Pump Input rpm	Min. Flow		Max. Flow	
		gph	l/hr	gph	l/hr
@ 172 bar (2500 psi)					
G04-M4H	600	5	19	60	226
@ 150 bar (2175 psi)					
G04-M2M	1200	10	38	120	452

Pressure

Maximum Inlet Pressure

Up to 34 bar (500 psi) for all models

Maximum Discharge Pressure

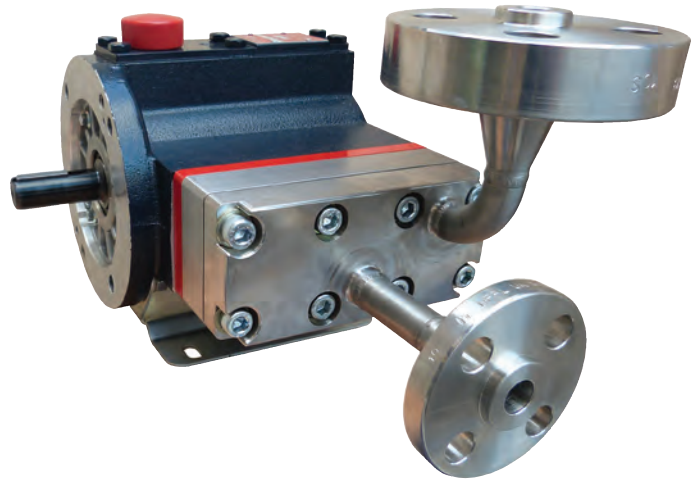
G04-M4H up to 172 bar (2500 psi) @ 600 rpm max.
G04-M2M up to 150 bar (2175 psi) @ 1200 rpm max.

Performance and specification ratings apply to G04 configurations unless specifically noted otherwise.

Pump Head Examples



G04 with Brass pump head



G04 with Stainless Steel pump head and ANSI RF flanges.

G04 Series Dosing Range Specifications

Flow Capacities @ 172 bar (2500 psi)

Model	Max. Pump Input		Min. Flow		Max. Flow	
	rpm		gph	l/hr	gph	l/hr
G04-M4H	600		5	19	60	226

Flow Capacities @ 150 bar (2175 psi)

Model	Max. Pump Input		Min. Flow		Max. Flow	
	rpm		gph	l/hr	gph	l/hr
G04-M2M	1200		10	38	120	452

Maximum Discharge Pressure

Metallic Heads	G04-M4H:	up to 172 bar (2500 psi) @ 600 rpm
	G04-M2M:	up to 150 bar (2175 psi) @ 1200 rpm

Maximum Inlet Pressure Up to 34 bar (500 psi) for all models

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).
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Maximum Solids Size 200 microns

Inlet Port

1/2 inch BSPT
1/2 inch NPT
600lb ANSI RF Flange

Discharge Port

1/2 inch BSPT
1/2 inch NPT
2500lb ANSI RF Flange

Shaft Diameter (for motor input)

G04:	22.2mm (7/8 inch)
G04-M4H:	Requires 3kW, IEC 100, 4-Pole, B5 Motor
G04-M2M:	Requires 4kW, IEC 112, 2-Pole, B5 Motor

Shaft Rotation Reverse (bi-directional)

Bearings Precision ball bearings

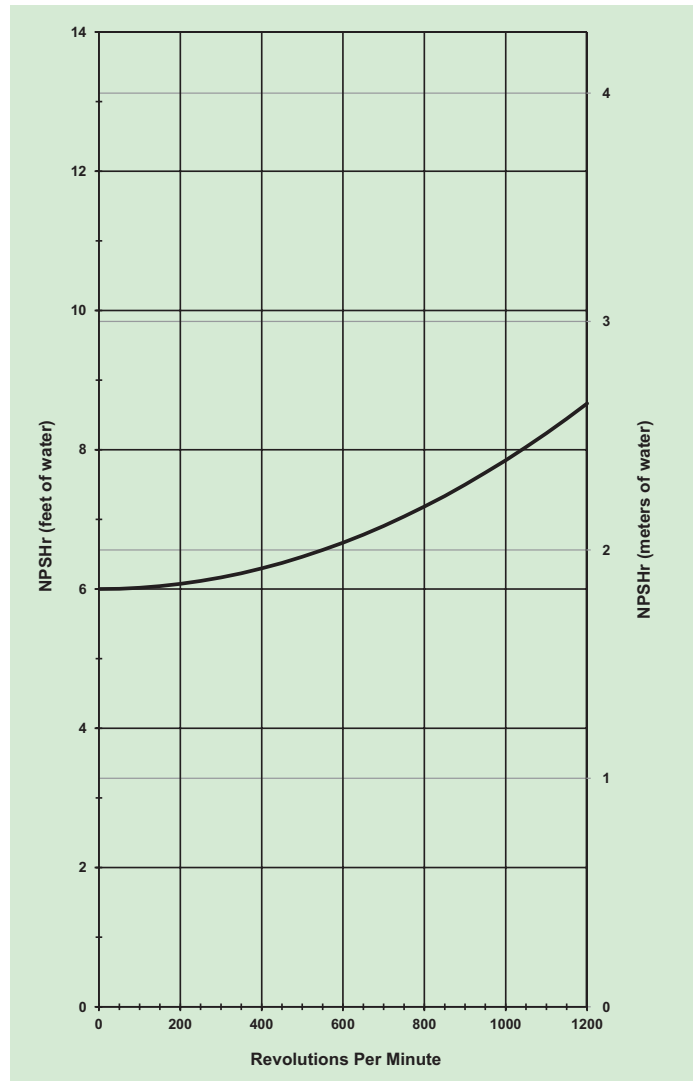
Oil Capacity G04 Pump Only: 1.05 litres (1.1 US quarts)

Traction Fluid Capacity G04-M4H Gearbox Only: 850 ml (0.9 US quart) G04-M2M Gearbox Only: 850 ml (0.9 US quart)

Weight

Metallic Heads	G04 Pump Only:	16.8 kg
	G04-M4H Assembly:	approx. 117 kg
	G04-M2M Assembly:	approx. 123 kg

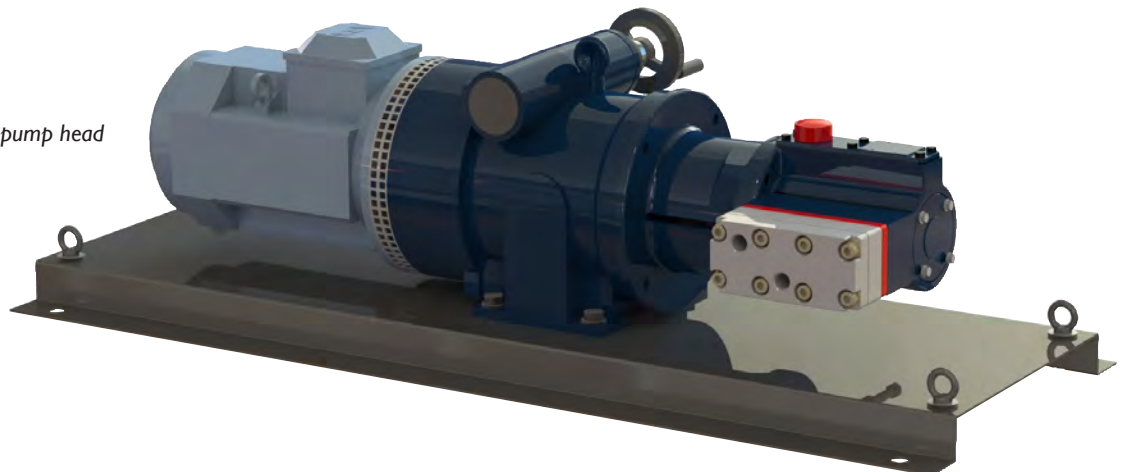
Net Positive Suction Head (NPSHr)



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.

G04-M2M with Stainless Steel pump head

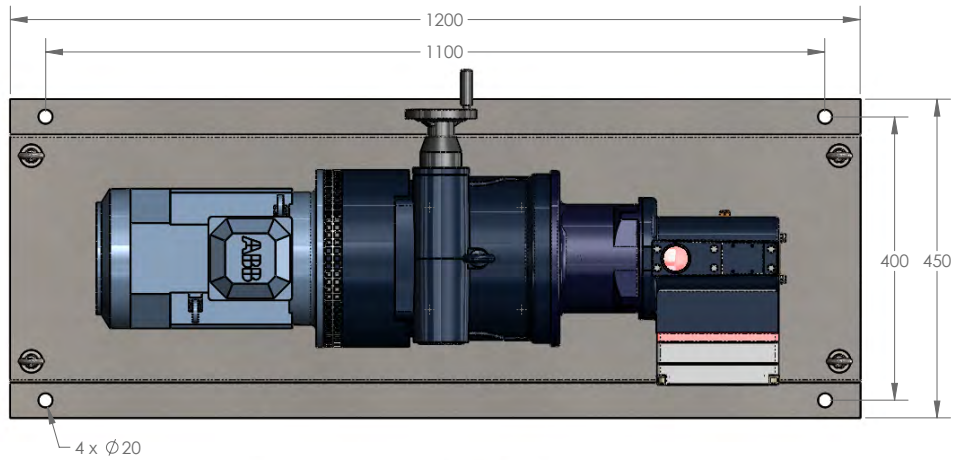


G04 Series **Dosing Range General Assemblies**

Model **G04-M4H**

Dosing range 19 - 226 l/hr (5 - 60 gph) @ 172 bar (2500 psi) max.

G04-M4H

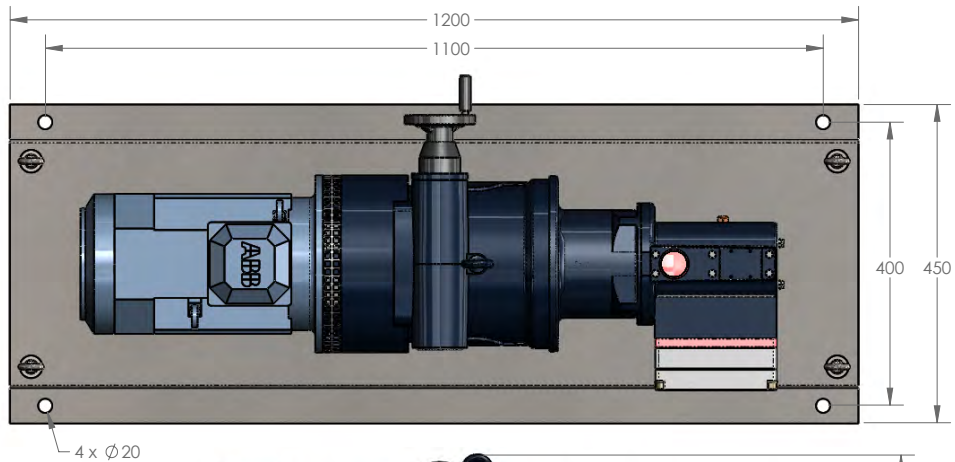


Unit Weight = 117 Kg

Model **G04-M2M**

Dosing range 38 - 452 l/hr (10 - 120 gph) @ 150 bar (2175 psi) max.

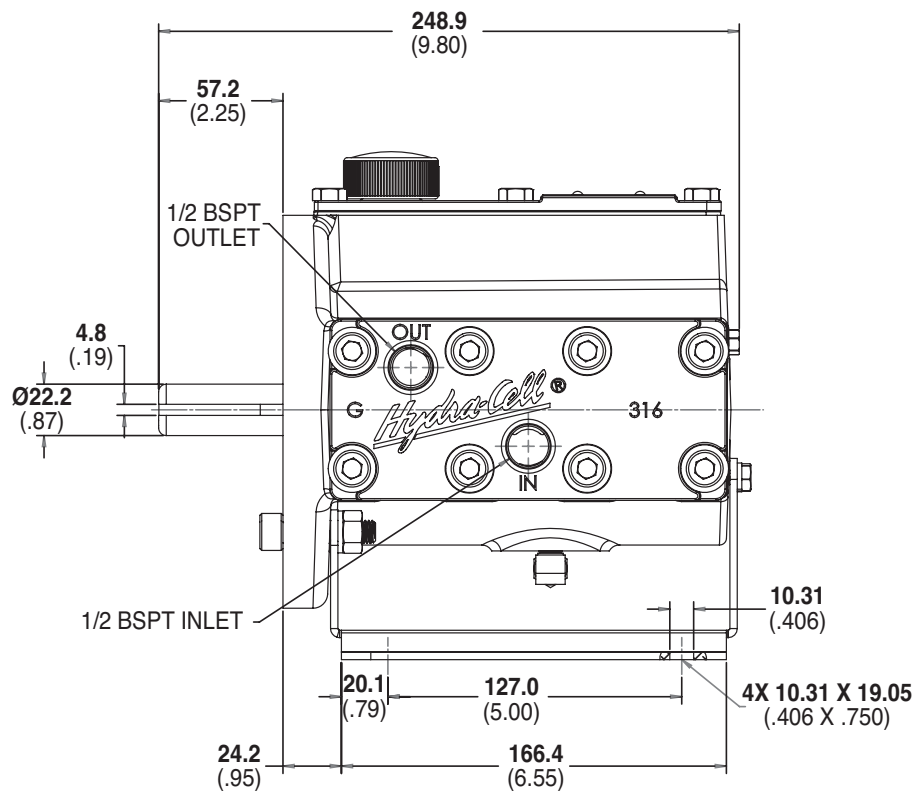
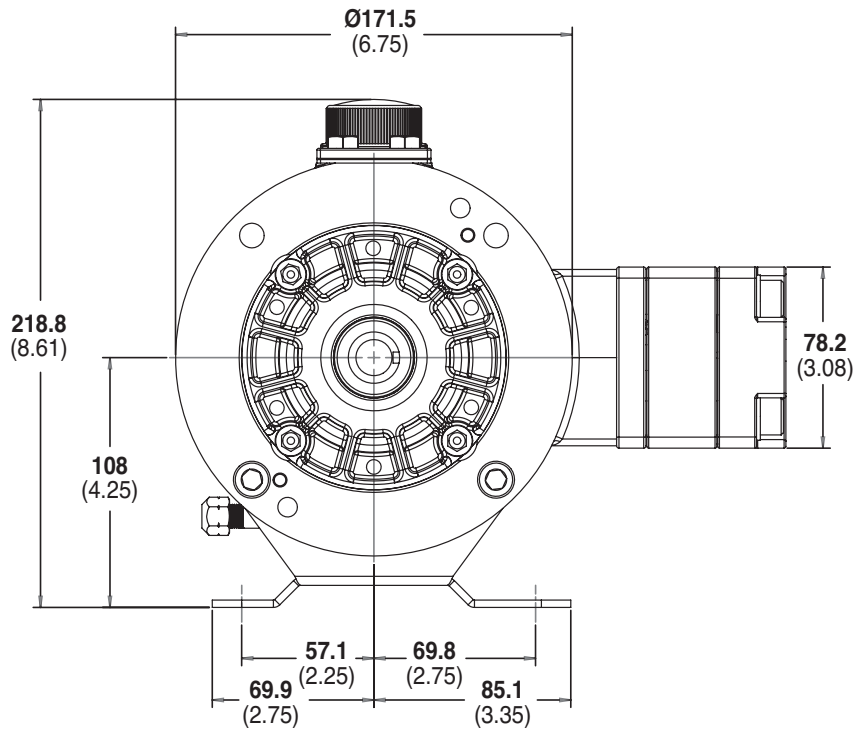
G04-M2M



Unit Weight = 123 Kg

G04 Series Representative Drawings

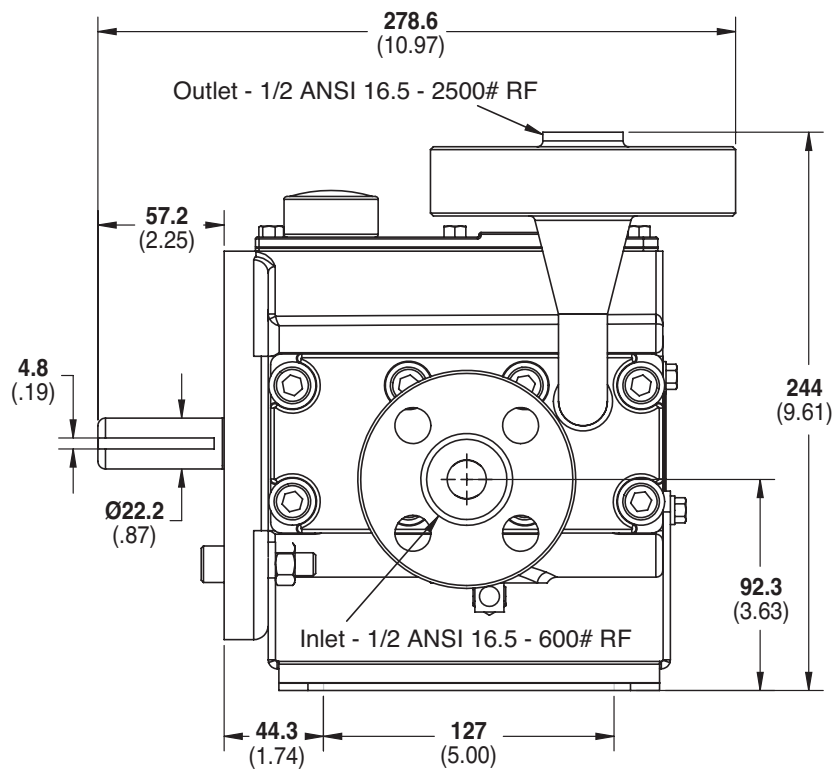
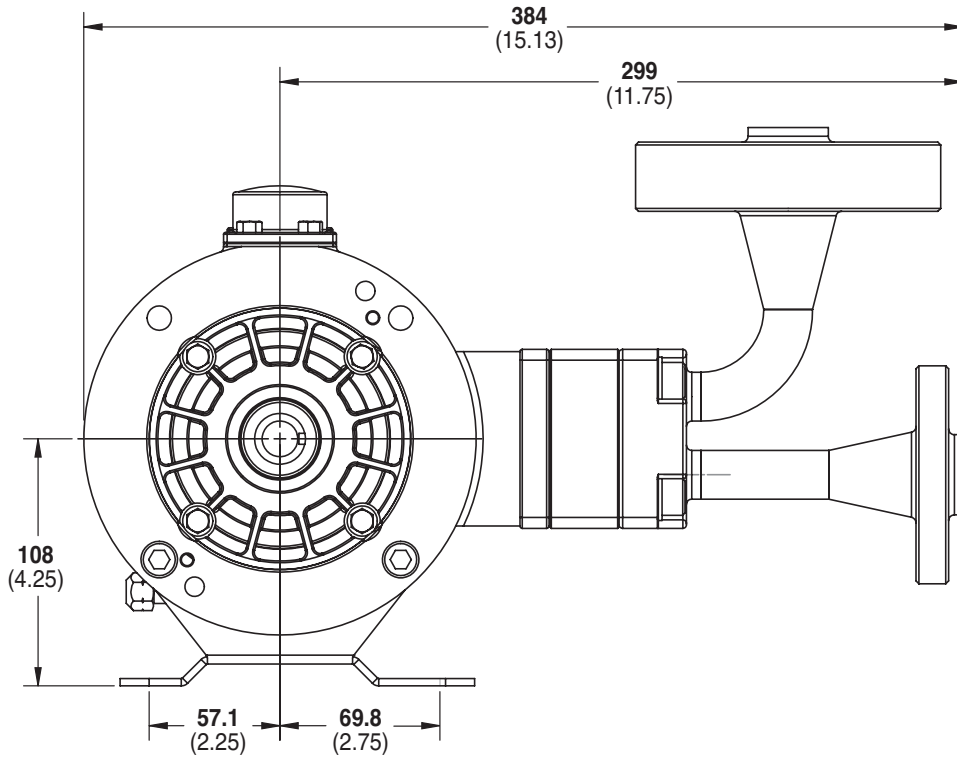
G04 Models with BSPT Inlet/Outlet Ports mm (Inches)



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

G04 Series Representative Drawings

G04 Models with ANSI RF Flanges mm (Inches)



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

G04 Series Dosing Range How to Order

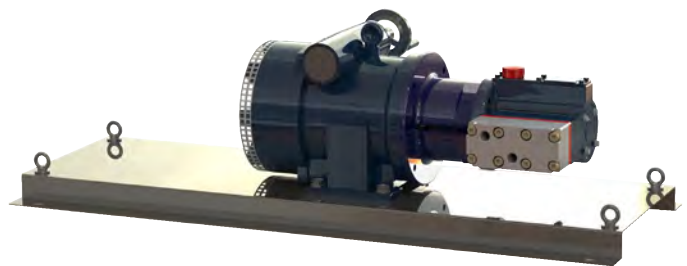
Ordering Information

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
G	0	4	X	D								M		

A complete G04 Series Dosing Range Model Number contains 15 digits including 9 customer-specified design and materials options, for example: G04XDSJHFEHGM4H

Digit	Order Code	Description
1-3		Pump Configuration
	G04	Shaft-driven (BSPT Ports or ANSI Flanges)* *Pump/motor adaptors ordered separately.
4		Hydraulic End Cam
	X	Max. 452 l/hr (120 gph) @ 1200 rpm
5		Pump Head Version
	D	BSPT Ports
	-	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
	R	304 Stainless Steel
	S	316L Stainless Steel
	-	316L Stainless Steel with ANSI RF Flanges, Class 600lb x 2500lb♦
	T	Hastelloy CW12MW ♦ Selecting this option will result in a Wanner International generated Pump Code, stamped onto the pump.
7		Diaphragm & O-ring Material
	E	EPDM (requires EPDM-compatible oil - Digit 12 oil code J)
	G	FKM
	J	PTFE
	P	Neoprene
	T	Buna-N
8		Valve Seat Material
	D	Tungsten Carbide
	H	17-4 Stainless Steel
	N	Nitronic 50
	T	Hastelloy C
9		Valve Material
	D	Tungsten Carbide
	F	17-4 Stainless Steel
	N	Nitronic 50
	T	Hastelloy C

Digit	Order Code	Description
10		Valve Springs
	E	Elgiloy
	H	17-7 Stainless Steel
	S	316L 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
12		Hydra-Oil
	G	5W30 cold-temp severe-duty synthetic oil
	J	20-wt EPDM-compatible oil
	K	Food-contact oil
13 - 15		Dosing Range
	M4H	19 - 226 l/hr (5 - 60 gph) @ 600 rpm max. Requires a 3kW, IEC 100, 4-Pole B5 Motor (not included but available on request)
	M2M	38 - 452 l/hr (10 - 120 gph) @ 1200 rpm max. Requires a 4kW, IEC 112, 2-Pole B5 Motor (not included but available on request)



Scope of supply as above



WANNER ENGINEERING - WORLD HEADQUARTERS & MANUFACTURING
Minneapolis USA
t: (612) 332-5681
e: sales@wannereng.com

WANNER PUMPS
Kowloon HONG KONG
t: +852 3428 6534
e: sales@wannerpumps.com

WANNER INTERNATIONAL
Hampshire UK
t: +44 (0) 1252 816847
e: sales@wannerint.com

WANNER ENGINEERING
Latin American Office
t: +55 (11) 4081-7098
e: sales@wannereng.com

WANNER PUMPS
Shanghai CHINA
t: +86-21-6876 3700
e: sales@wannerpumps.com