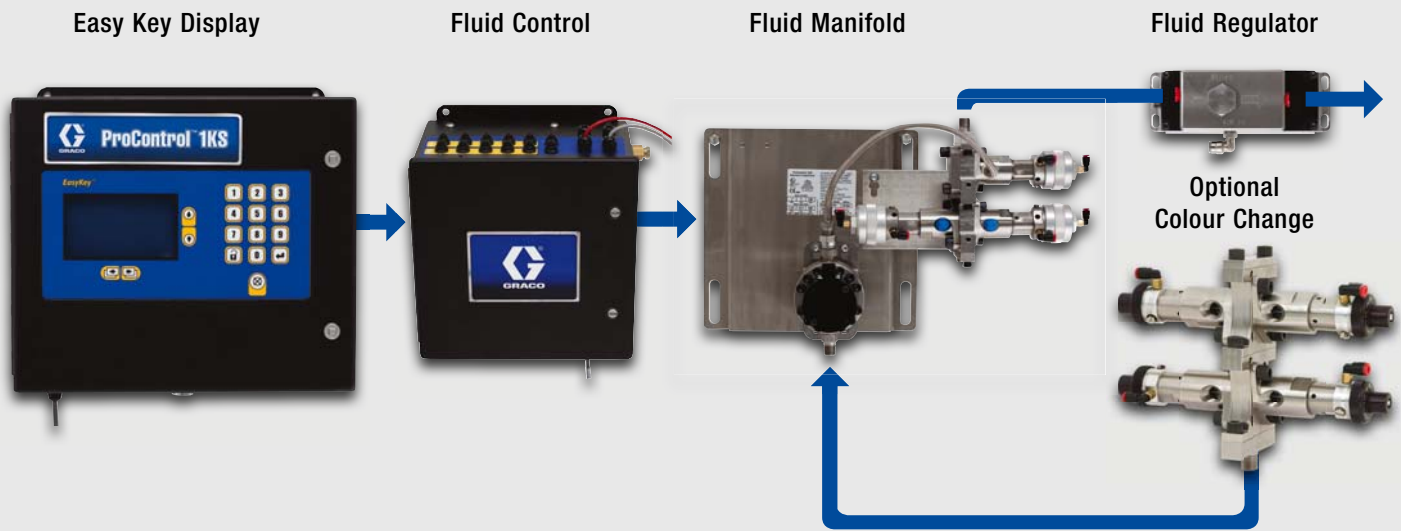


# ProControl™ 1KS

Single Component Electronic Flow Control System



Maintain a closed loop flow control system for a superior finish with the same proven technology as the ProMix™ 2KS

## Single Component Flow Control

- Fast step change less than 200 msec for better process control
- Maintain flow rates from 20 - 1,200 cc/min

## Integrated Flushing

- Air/solvent chop minimizes material waste

## Optional Color Change Modules

- Easily handles up to 30 colours

## Flexible Installation

- Intrinsically safe components
- Compatible with solvent and waterborne materials
- Convenient interfaces for PLC controls

## PROCONTROL 1KS ORDERING INFORMATION

Description	Part Number	Meter	Fluid Regulator	Dispense Valve System	Application
ProControl, Basic	262380	None	None	Yes	Colour Change*
ProControl, G3000	262381	G3000	None	Yes	CC, Update old PC
ProControl, G3000, FC	262382	G3000	Yes	Yes	Fluid Control
ProControl, Coriolis, FC	262383	1/8" Coriolis	Yes	Yes	Fluid Control

\*System requires a flow meter to be added for operation.

## TECHNICAL SPECIFICATIONS

Maximum fluid working pressure	Base system: 275.8 bar (27.58 MPa, 4000 psi)
Low pressure color change:	20.6 bar (2.07 MPa, 300 psi)
Coriolis meter:	158.6 bar (15.86 MPa, 2300 psi)
Flow control:	13.1 bar (1.31 MPa, 190 psi)
Maximum working air pressure:	7 bar (0.7 MPa, 100 psi)
Air supply:	5.2 - 7 bar (0.5 - 0.7 MPa, 75 - 100 psi)
Air filter inlet size:	3/8 npt(f)
Air filtration for air logic and purge air (Graco-supplied)	.5 micron (minimum) filtration required; clean and dry air
Air filtration for atomizing air (user-supplied):	30 micron (minimum) filtration required; clean and dry air
Fluids handled (one component):	solvent and waterborne paints, polyurethanes, epoxies, acid catalyzed varnishes, moisture sensitive isocyanates
Viscosity range of fluid:	20 - 5000 cps*
Fluid filtration (user-supplied):	100 mesh minimum
Fluid flow rate range*	
G3000, G250 Meter:	75 - 3800 cc/min (0.02-1.00 gal/min)
Coriolis Meter:	20 - 3800 cc/min (0.005-1.00 gal/min)
S3000 Solvent Meter (accessory):	38 - 1900 cc/min (0.01-0.50 gal/min)
Fluid inlet sizes	
Flow Meter:	1/4 npt(f)
Dose Valve/Color Valve Adapters:	1/4 npt(f)
Fluid outlet size (static mixer):	1/4 npt(f)
External Power Supply Requirements:	85 - 250 Vac, 50/60 Hz, 2 amps maximum
Operating temperature range:	-5-50°C (41- 122°F)
Environmental Conditions Rating:	indoor use, pollution degree (2), installation category II
Approved for Hazardous Locations:	US and Canada – class I Div 1 Group D T3 Europe – Zone 0 Ex ia IIA T3/ATEX II2G T3
Noise Level	
Sound pressure level:	below 70 dBA
Sound power level:	below 85 dBA
Wetted parts:	303, 304 SST, tungsten carbide (with nickel binder), perfluoroelastomer; PTFE

\* Dependent on programmed K-factor and application. The maximum allowable flow meter pulse frequency is 425 Hz (pulses/sec). For more detailed information on viscosities, flow rates, or mixing ratios, consult your Graco distributor.

See individual component manuals for additional technical data.

## ACCESSORIES

### LP Colour Change Kits

256581	2 Colours
256582	4 Colours
256583	7 Colours
256584	12 Colours
256592	13-18 Colours
256593	13-24 Colours
256594	13-30 Colours

### HP Colour Change Kits

256596	2 Colours
256597	4 Colours
256598	7 Colours
256599	12 Colours
256607	13-18 Colours
256608	13-24 Colours
256609	13-30 Colours

### Meter Kits

15V804	G3000
15V827	G3000HR
15V820	HG6000
15V806	1/8" Coriolis
258151	3/8" Coriolis
16D329	S3000 (Solvent Meter)

### Valve Kits

16E954	Dump Valve Kit
15V077	SST Needle Kit - HP Valve
15U932	Carbide Seat Kit - HP Valve
15V737	Lubrication Cup - LP & HP Valve

### Communication Kits

15V825	Discrete I/O Integration Board
15V331	Ethernet IP Gateway Assembly
15V963	DeviceNet Gateway Assembly
15V964	Profibus Gateway Assembly
15X492	Ethernet IP Gateway Module
15V966	DeviceNet Gateway Module
15V965	Profibus Gateway Module
15W023	Communication & I/O Harness Kit
15V337	Advanced Web Interface with 8 Port Hub
15V336	8 Port Ethernet Hub
121998	7.5 m (25 ft) CAT V
121999	15.2 m (50 ft) CAT V
15V842	30.5 m (100 ft) CAT V
15V843	61 m (200 ft) CAT V

### Cables

15V213	30.5 m (100 ft) Power Cable
15G710	30.5 m (100 ft) Fiber Cable
15U977	12.1 m (40 ft) Flow Control Extension Cable
15U532	0.9 m (3 ft) CAN Cable
15V205	1.8 m (6 ft) CAN Cable
15V206	3 m (10 ft) CAN Cable
15V207	4.6 m (15 ft) CAN Cable
15V208	7.6 m (25 ft) CAN Cable
15U533	15.2 m (50 ft) CAN Cable

### Gun Flush Box Gun Holders

198787	Graco Pro Xs2™
198405	Graco Pro Xs3™, Pro Xs4™
196768	Graco PRO 3500, 3500hc, 4500
15T646	Graco AirPro™ Air Spray
196769	Graco Delta Air Spray
196770	Graco Alpha
196771	Graco Alpha Plus, Alpha Plus RAC™
15G093	G15™
15G346	G40™, G40 RAC

### Miscellaneous

15V826	Gun Flush Box Kit
570123	Gun Flush Box Wall Mount Kit
15V534	Manual Gun Interface Kit
15V823	Gun Air Shutoff Kit
15T632	Air Flow Switch Kit
15V350	Operator Station Kit
15X247	Auto Dump Kit
15V536	Solvent Flow Switch
15W034	Alarm Light for Manual Systems
122193	Alarm Light for Automatic Systems
197902	EasyKey Paint Shields
249849	Flow Control Module
24H989	Remote Regulator Flow Control Module

All written and visual data contained in this document are based on the latest product information available at the time of publication. Graco reserves the right to make changes at any time without notice.

Graco is certified ISO 9001.

GRACO BVBA Industrieterrein Oude Bunders • Slakweidestraat 31 • B-3630 Maasmechelen  
Tel: +32 (89) 770 700 • Fax: +32 (89) 770 777 • E-mail: info@graco.be • http://www.graco.com

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