

ProMix® PD2K Proportioning System



Why ProMix PD2K



ProMix PD2K offers a number of advantages including:

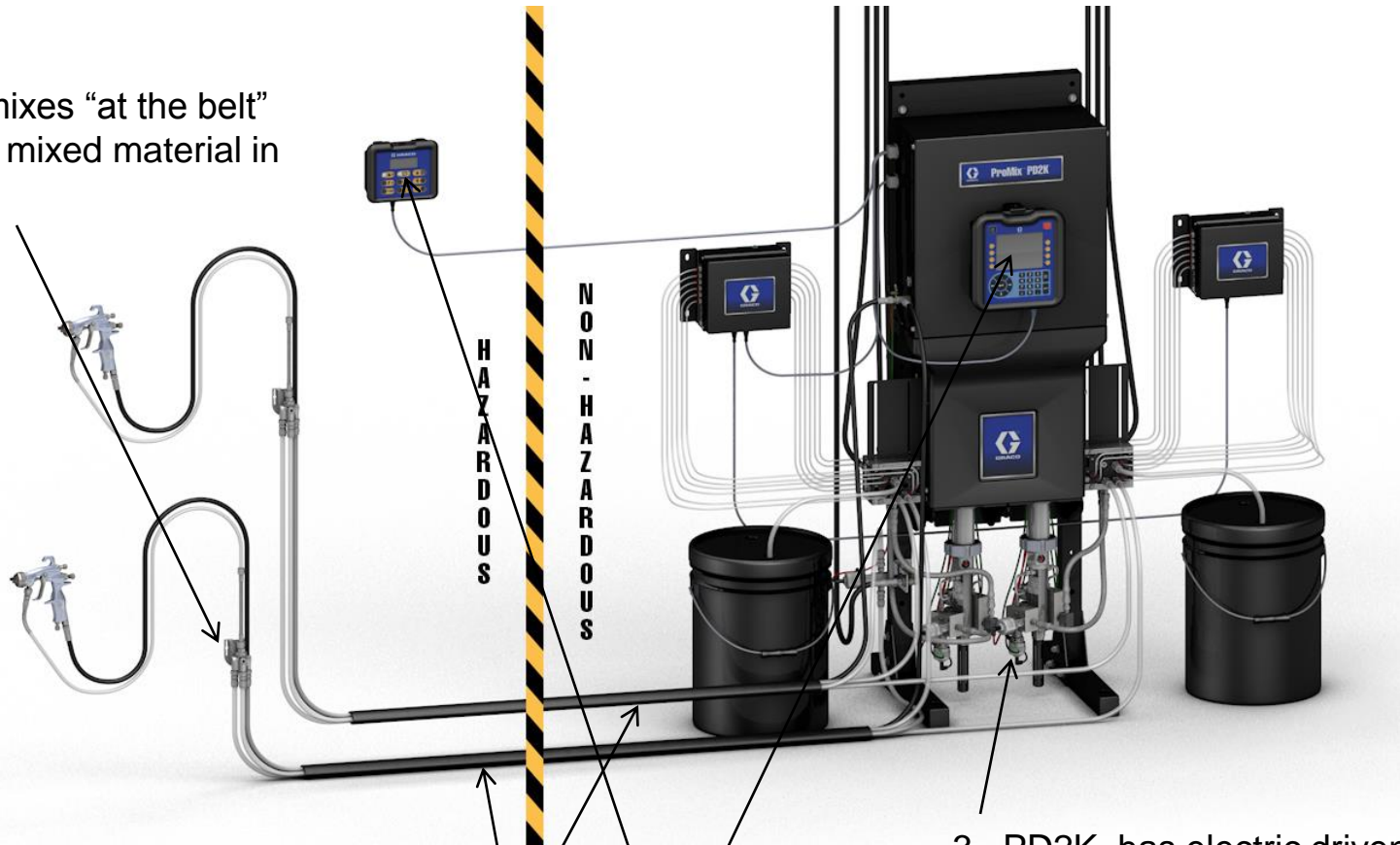
- Potential 80% reduction in solvent use and mixed material waste
- Lower disposal costs of hazardous waste materials
- Short color change time adds flexibility
- Maintains optimal transfer efficiency with integrated fluid pressure management saving valuable material
- Durable components are easy to maintain



How does the ProMix PD2K Work?



1. PD2K mixes “at the belt” minimizing mixed material in the system



2. PD2K dedicates a gun drop to each color saving the need to flush the feed lines at color change

3. PD2K has electric driven dose pumps to flow both materials on ratio

4. PD2K electronically regulates fluid pressure to deliver ratio accuracy regardless of gun trigger actions

ProMix PD2K is designed to minimize material waste and is ideal for applications involving:

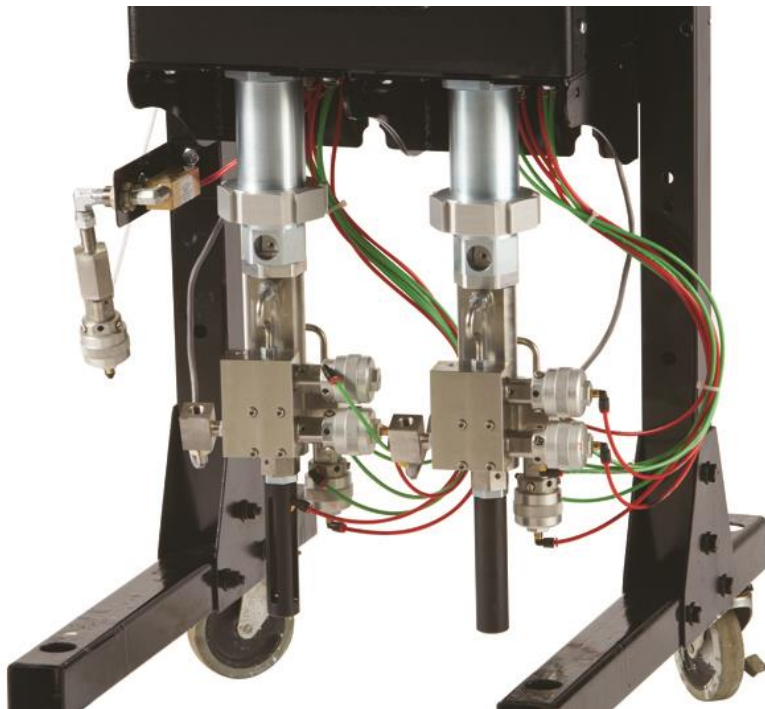
- Multiple daily color changes
 - Adds flexibility due to quick color change and minimized waste
- Short pot life and fast set materials
 - Small mixed material volume means always fresh material
- Expensive materials
 - Minimizes waste of unused material



Positive Displacement Technology



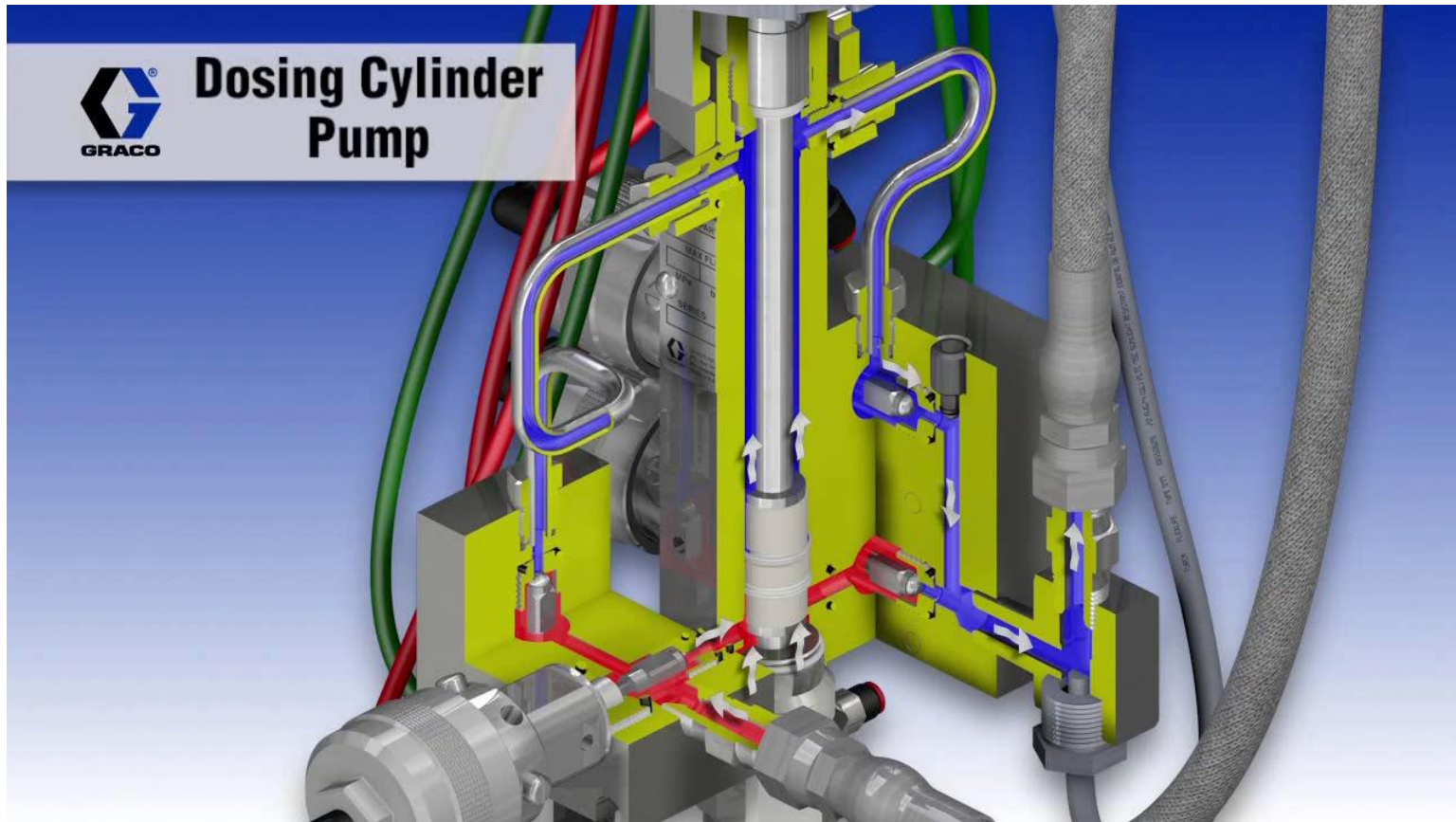
Graco developed these highly accurate dose pumps to achieve superior performance and life over other positive displacement technology such as gear pumps



Dose Pumps

- 100% positive displacement means there is never any slipping
 - Detects leaks and alerts when maintenance is due
- Always pressured for fast response to changing conditions
 - Gun triggering
 - Feathering
- Low maintenance cost compared to gear pumps
 - Seals can be replaced in the field in minutes

Dose Pumps



In addition to the large return on investment an electronic proportioner already provides over hand mixing, the ProMix PD2K delivers a new level of efficiency



Mixing at the belt

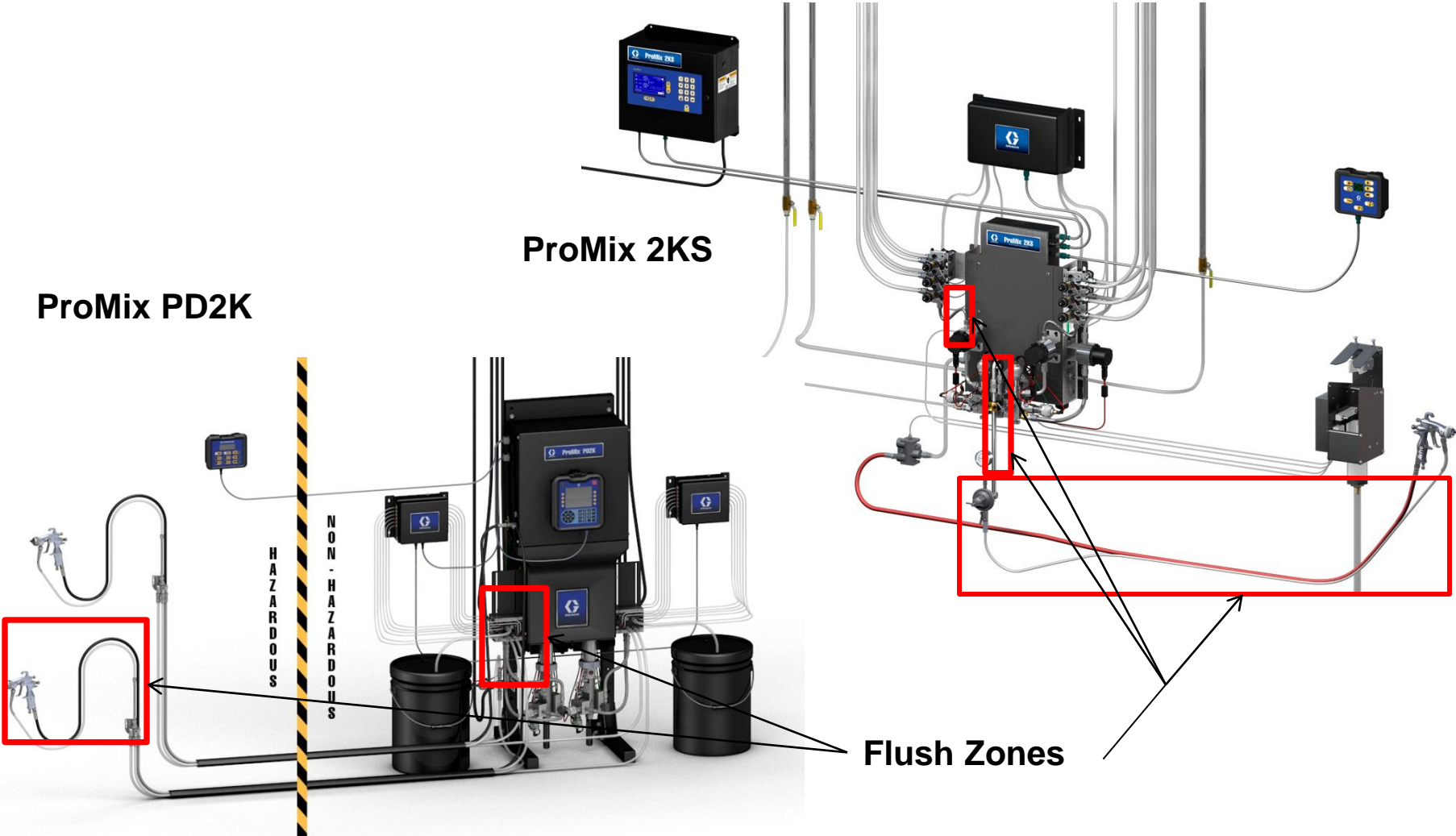
- Up to 80% reduction in flushing waste over the most efficient traditional proportioning systems
- Limited mixed material in system great for short pot life materials
- Saves time between color changes due to small amount of material to flush
- Can be worn on the belt or carried in hand

Flush Comparison



ProMix 2KS

ProMix PD2K



Graco has years of experience building high performance machines that deliver the highest level of accuracy in the industry



- Mixes 2K from 0.1:1 to 50:1 ratios at 1% accuracy
- Integrated electronic fluid regulation maintains optimal transfer efficiency and streamlines flushing
- Broad material compatibility
- Flow rate range from 20-800 cc/min
- Low pressure up to 300 psi (2.068 MPa, 20.68 bar)
- High pressure up to 1500 psi (10.34 MPa, 103.4 bar)

The ProMix PD2K can be configured in a number of ways to help tailor the maximum material and time savings for your operation

- System can be equipped with up to four pumps
- Capable of proportioning epoxy primers and urethane top coats in one system
 - Pumps 1 and 2 for epoxy
 - Pumps 3 and 4 for urethane
- Pumps can be dedicated to colors or color families for flushing efficiency
- Up to 30 colors and four catalysts



Field Test Results

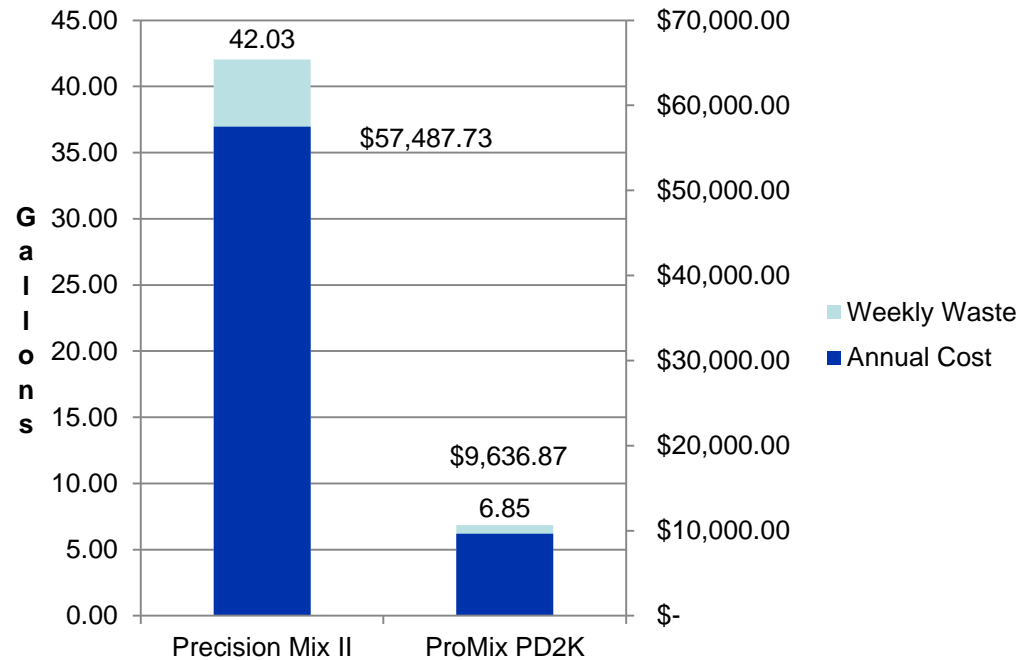


Boat Manufacturer

- Uses PrecisionMix® II
- 50 ft (15m) material line
- Paint cost = \$60 per gallon
- Seven color changes per day

Results:

- Precision Mix II
 - Generated 55 gallons (208 L) per week in solvent and wasted paint
- ProMix PD2K
 - Waste generated: 5 gallons (19 L) per week
 - **Annual savings of \$45,000**



Electronic fluid regulation

- Steady, consistent fluid regulation built right in
- Spray at optimal transfer efficiency, and keep it there
 - Settings and adjustment ranges are PIN protected
- Easy access for changes in prescribed limits
- No regulators to flush or maintain



Summary



ProMix PD2K achieves a new level in material savings potential by mixing close to the spray gun while maintaining performance expected from Graco

- Low or High pressure
 - Air spray applications up to 300 psi (2.068 MPa, 20.68 bar)
 - Air assist applications up to 1500 psi (10.34 MPa, 103.4 bar)
- Electronic Fluid regulation
 - Mix accuracy $\pm 1\%$
 - 0.1:1 to 50:1
- Easy maintenance
- Graco proven quality

