



1001 Trout Brook Crossing
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Product Description Sheet Loctite® DuraPump™ Pneumatic Meter Mix System

North American Engineering Center, June 2007

PRODUCT DESCRIPTION

The Loctite® DuraPump™ Pneumatic Meter Mix Systems offer superior operating performance and durability for a wide range of two-component adhesive chemistries, including MMA, up to 10:1 ratios. All of these pneumatic models provide operator shot size control with pneumatic foot pedal or optional hand-held trigger controlled dispense valve. Its innovative rod displacement pump design ensures excellent shot repeatability, low wear, and allows direct connection to high pressure feed systems. A static mix nozzle can also be mounted directly on the integrated mixing manifold, eliminating the need for a dispense valve in many applications. Optional reservoirs, level controls, hoses, and valves are also available to complete your specific process requirements.

PRODUCT FEATURES

- No electrical power required. Ideal for flammable adhesives, MMAs, or remote locations where only compressed air is available.
- No requirement for pump phasing on start-ups; just start up and go.
- Superior pump wear life, especially well suited for highly filled materials.
- Direct flow shut off, no check valves to repair or replace.
- Optional mix block manifold assembly static mix nozzles directly eliminating the need for a valve in many applications.
- Accepts external feed systems up to 2,000 psi without extraneous accumulators.
- Available in 1:1, 2:1, 4:1, 10:1 or custom ratio systems. See table below.



DuraPump™ Pneumatic Meter Mix System

For Two-Component Chemistries except MMA		
Item Number	Mix Ratio	Shot Size Range
1041648	1:1	0.4 to 28 ml
1041643	2:1	0.4 to 21 ml
1041641	4:1	0.4 to 18 ml
1041637	10:1	0.4 to 15.5 ml
1041633	Custom ratio *	Will vary based on ratio selected
For MMA Chemistry		
1041647	1:1	0.4 to 28 ml
1041636	10:1	0.4 to 15.5
1041620	Custom ratio *	Will vary based on ratio selected

* Custom ratios available from 1:1 up to 9.99:1



Optional Reservoir Kit shows
 2 Poly Tanks mounted on 1
 Tank Stand



Optional Hand-held Valve, Stationary Valve
 and Dual Mix Block Manifold Assembly

NOT FOR PRODUCT SPECIFICATIONS

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Technical Data

- Utilities: Pneumatic: 80 –110 psi.
- Dimensions: 12.5" W x 12.5" D x 27" H
- Weight: 80 lbs.
- Cycle Rate: Up to 20/minute
- Products: MMAs; Epoxies; Polyurethanes; Acrylics
- Package Types: Any, excluding dual cartridges

System includes:

- DuraPump™ Pneumatic Meter Mix
- Foot Switch
- Night cap
- Ratio cap
- Operating Manual

Optional Accessories (not included):

Loctite® DuraPump™ Pneumatic Meter Mix Feed System Options and Accessories

All items sold separately

PRODUCT	Item Number	Description
DuraPump™ Mix Block Manifold Assembly; Item # 1167586		
DuraPump™ Dispense Valves - 1/4" FNPT product hose connection		
	1051664	Dispense Valve, All ratios
	1051662	Dispense Valve for MMA (All ratios)
	1051661	Pistol Grip with Pneumatic Trigger Switch - converts Dispense Valve into a Hand-held Tool
DuraPump™ Hose Kit – 2 required for each dispense valve; All Female JIC		
	1051692	DuraPump™ Hose General Purpose – 3/8" x 24"
	1051691	DuraPump™ Hose General Purpose – 3/8" x 96"
	1051693	DuraPump™ Hose General Purpose – 3/8" x 144"
	1051670	DuraPump™ Hose – MMA – 3/8" x 24"
	1051669	DuraPump™ Hose – MMA – 3/8" x 96"
	1051694	DuraPump™ Hose – MMA – 3/8" x 144"
	1051668	DuraPump™ Heated Hose Option - 48"
	1051667	DuraPump™ Heated Hose Option - 96"
	1051666	DuraPump™ Heated Hose Option - 144"
All Loctite® DuraPump™ hose kits come complete with 2 fittings for connection to the DuraPump™ System and Dispense Valve		
	1051660	9.5 Liter Poly Gravity Feed Tank with Cover (requires 1051651)
	1051659	7 Liter Stainless Steel Gravity Feed Tank with Cover (requires 1051651)
	1051651	Dual Tank Stand (1 required for each pair of Gravity Tanks)
	1051657	Disposable Desiccant Air Dryer Option
	1051656	Follower Plate with Handle – (for stainless steel tank only)
	1061655	Agitator Assembly - (for stainless steel tank only)
	1051654	Tank Heater and Controls Option- (for stainless steel tank only)
	1051630	Low Level Sensing Option -Stainless Steel Tank – (Programmable DuraPump™ only)
	1051629	Low Level Sensing Option - Poly Tank - (Programmable DuraPump™ only)
DuraPump™ Control Options		
	1051627	Electrical Controller 1-2 Heat Loads. Order (2) for 3-4 heat loads
	1051695	Precision Hydraulic Flow Controller

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