



HELIX - HIGH PRESSURE SYSTEM



HELIX

Titan has just taken DUAL component applicators to the next level. Delivering performance, durability and innovation.

Smart Connect Dual Pump System

- Delivers equal amounts of the A and B component increasing yield and chemical performance
- Improves accuracy by 3-5%
- Independent priming and flushing
- Variable mixing ratio from 1:4 to 4:1 at the VR 2.3

First Electronically Controlled Dual System Proportioner

- Continual communication between pumps
- Synchronizes ratio 64 times per motor revolution

33% Lighter Than Most Comparable Equipment



PATENTED HIGH EFFICIENCY ALUMINUM MASS HEATER

WRAP AROUND DESIGN PROVIDES OVER 30 SECONDS OF DWELL TIME

- Greater surface area to heat chemical
- Longer dwell time versus competitive one pass design
- Internal turbulence increases heat transfer

HEATING ROD COMPLETELY ISOLATED FROM THE COATING

- No failure from chemical
- No failure from exposure to air when run dry
- Change power or repair without opening the system
- Modular – can stack two to four blocks (3 blocks standard)
- Easily customizable for 3 kW to 18 kW
- Heat with less power
- Requires a smaller generator
- Modular 4 block design



SUREFIRE HOSE HEATER

- Actively controls temperature at the gun
- Heating element in the hose provides direct heat: Adds heat all the way to the end of the hose
- True chemical temperature measured at the gun

HELIX FR-28

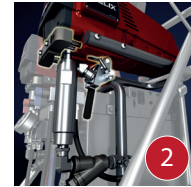
The Helix FR provides unmatched accuracy and heating efficiency. The key features provide balanced pressure, less wasted material and direct heat from the system all the way to the gun.



Multiple Applications

The Helix FR is designed to spray two component open and closed cell foam insulation for:

- RESIDENTIAL
- COMMERCIAL
- INDUSTRIAL



Features and Benefits

INTEGRATED ELECTRONIC PROPORTIONING

- Proprietary system synchronizes both pumps to maintain an ultra-accurate ratio.

SUREFIRE HOSE HEATER

- Heats the coating all the way from the block heater to the end of the hose. Additionally, the temperature can be adjusted at the gun where it matters most.

SUREFIRE BLOCK HEATER

- Maximizes surface area and dwell time for heater efficiency and maximizes the time in the heater. More time and surface area means more efficient heating.

QUAD + PACKINGS

- Self-adjusting packings deliver high performance and long life. *1-2-3
- Packings isolate the piston from the atmosphere increasing life.

EASYOUT FLUID SECTION

- Change fluid section on-site in minutes and reduces downtime to keep you spraying. *1-2-3

UNIVERSAL SIPHON/DRAW

- Modular design allows for transfer pump or direct feed.

UNIVERSAL POWER ADAPTER

- Plug into shore power, generator or hardwire into a system.

LIGHTWEIGHT AND COMPACT DESIGN

- 33% lighter than most comparable equipment.

Specifications

HELIX FR	SPECIFICATIONS
MAX. PRESSURE	3200 PSI (227 bar)
MAX. MATERIAL TEMP.	180° F (80°C)
OUTPUT	28 lbs/min (12.7 kg/min)
HOSE LENGTH	Standard with 200' (60 m)
FOOTPRINT	30" x 27" x 37" (76.2 cm x 69 cm x 93 cm)
WEIGHT WITHOUT HOSE	273 lbs (123 kg)
ELECTRICAL SUPPLY	230 V 1 Phase 48 Amps with standard 6,000 Watt Heater
PART NUMBER FR-28	2407046

HELIX VR 2.3

The Helix VR provides unmatched accuracy and heating efficiency. The key features provide variable ratio, less wasted material and direct heat from the system all the way to the gun.



Multiple Applications

The Helix VR is designed to spray two component polyurea, polyaspartics, and epoxies for:

- ▶ INFRASTRUCTURE
- ▶ INDUSTRIAL
- ▶ MARINE



Features and Benefits

INTEGRATED ELECTRONIC PROPORTIONING

- ▶ Proprietary system synchronizes both pumps to maintain a superior ratio accuracy.
- ▶ Variable mixing ratio from 1:4 to 4:1.

SUREFIRE HOSE HEATER

- ▶ Heats the coating all the way from the block heater to the end of the hose. Additionally, the temperature can be adjusted at the gun where it matters most.

SUREFIRE BLOCK HEATER

- ▶ Maximizes surface area and dwell time for heater efficiency and maximizes the time in the heater. More time and surface area means more efficient heating.

QUAD + PACKINGS

- ▶ Self-adjusting packings deliver the best performance every time you spray. *1-2-3
- ▶ Packings isolate the piston from the atmosphere increasing life.

EASY OUT FLUID SECTION

- ▶ Change fluid section on-site in minutes and reduces downtime to keep you spraying. *1-2-3

UNIVERSAL SIPHON/DRAW

- ▶ Modular design allows for transfer pump or direct feed.

UNIVERSAL POWER ADAPTER

- ▶ Plug into shore power, generator or hardwire into a system.

LIGHTWEIGHT AND COMPACT DESIGN

- ▶ 33 % lighter than most comparable equipment.

Specifications

HELIX VR	SPECIFICATIONS
MAX. PRESSURE	3300 psi (2.3 GPM)
MAX. MATERIAL TEMP.	180°F (82°C)
OUTPUT	2.3 GPM
HOSE LENGTH	Available with 100' 30m or 200' (60 m)
FOOTPRINT	30" x 27" x 37" (76.2 cm x 69 cm x 93 cm)
WEIGHT WITHOUT HOSE	273 lbs (123 kg)
ELECTRICAL SUPPLY	208 V (3) Phase 70 Amps for the standard 3 stack 7,500 Watt Heater
400V 100" HOSE	0138060

Accessories

PMC AP-2 SPRAY GUN

- Proven reliability
- Spray, blast and pour nozzles available
- 10-40 lb. operation / 1-4 GPM and 10-40 lbs.
- Lightweight and compact
- Modular design for ease of maintenance



DESCRIPTION	PART-NO.
GUN, PLURAL, A-2, -000	0138751
GUN, PLURAL, A-2, -00	0138750
GUN, PLURAL, A-2, -01	0138732
GUN, PLURAL, A-2, -02	0138799

DESCRIPTION	PART-NO.
CHAMBER 000 WITH DRILLS	0153495
CHAMBER 00 WITH DRILLS	0153433
CHAMBER 01 WITH DRILLS	0153434
CHAMBER 02 WITH DRILLS	0153435
CHAMBER 03 WITH DRILLS	0153436
CHAMBER 04 WITH DRILLS	0153437

AGITATOR

The Titan air driven agitator is intended for use in maintaining proper suspension and mix with industrial paints and coatings.

DESCRIPTION	5 GALLON	55 GALLON
Model	TITAN	TITAN
Time to Mix Drum (minutes)	20-25	20-25
Air Consumption	6@100 PSI (.17 m ³ / min @7 bar)	6@100 PSI (.17 m ³ / min @7 bar)
Wetted Parts	SST	SST
Blade Style	Expanding	Expanding
Maximum Temperature	190° F / 88° C	190° F / 88° C
DESCRIPTION	PART NO.	PART NO.
Agitator	0533002	0533003

TRANSFER PUMP

The Titan TT2 Transfer Pump is designed to pump extremely viscous products. The Transfer Pump is comprised of two components: an air motor and a fluid pump. The pneumatic-powered air motor drives a piston within the fluid pump that creates suction and can draw material from 55 gallon drums and deliver the material to the HELIX system.



DESCRIPTION	TT2
Ratio	2:1
GPM/LPM	4 GPM/15.1 LPM
Air Motor Size	2.5"
Height (inches)	54" (137 cm)
Trailer Height	78" (198 cm)
Packing Material	PTFE
Pump Material	SST
Maximum Temperature	190° F / 88° C
Maximum Inbound Air Pressure	100 PSI (7 Bar)
Maximum Fluid Pressure	200 PSI (14 Bar)
55 Gallon Transfer Pump	0138760



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