



HandiFoam®

HVLP
POWERED BY NITROSYS



THE TRUSTED SYSTEM

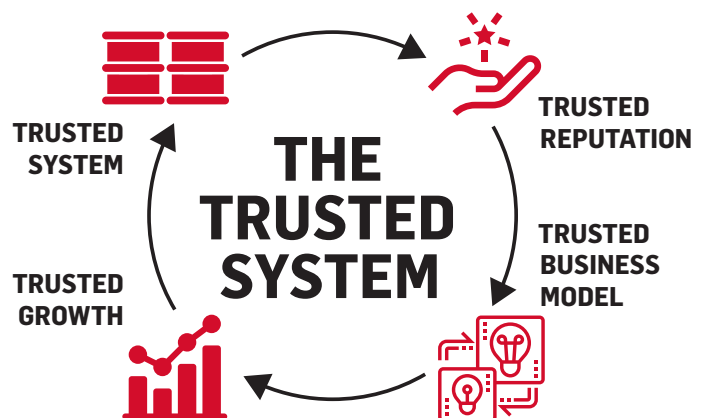
NITROSYS DISPENSING UNITS +
HANDIFOAM HVLP DRUM FOAMS





ICP 's HVLP foam technology was developed with Spray Foam Systems, the leader in HVLP dispensing equipment, performed extensive testing and technical development to provide a perfect foam and dispensing solution for high volume, low pressure applications.

HIGH VOLUME | LOW PRESSURE



MAXIMUM PRODUCTION. MINIMUM DOWNTIME.

- **UP TO 18LB/MIN DISPENSING RATE***

Suitable for new construction and commercial jobs.

*Nitrosys Plus: Up to 13 lbs/min dispensing rate (perfect for retrofit applications) | Nitrosys HVLP: Up to 18 lbs/min dispensing rate (perfect for new construction, commercial jobs, residential applications & OEM)

- **4-HOUR RE-OCCUPANCY FOR HOME OWNERS****

Weatherization, additions, attics, and remodeling insulation jobs can now be completed in 1 day (no overnight hotel stays for home owners and pets).

**Based on MDI monitoring study

- **1-HOUR RE-ENTRY TIME FOR OTHER TRADES**

Simplifies scheduling for general contractors.

- **FIELD SERVICE TEAMS READY WHEN YOU NEED THEM**

Field service team powered by ICP's Masterworks Training Program are available to minimize downtime.

REALISTIC REQUIREMENTS.

- **SIMPLER PPE REQUIREMENTS**

Aligns with low pressure SPF PPE guidelines.

- **REALISTIC VENTILATION REQUIREMENTS**

20 ACH minimum for 4 hours required to achieve re-occupancy.

SYSTEM FEATURES LIKE NO OTHER.

- **55-GALLON DISPOSABLE DRUMS**

The 55-gallon drums containing HandiFoam® HVLP are hooked up and dispensed through the innovative Nitrosys Dispensing Unit.

- **INCREDIBLE RATIO CONTROL**

The Nitrosys low pressure proportioning unit automatically calibrates the A and B-chemicals while pre-heating the material and delivering it with third stream air to the gun at low pressures (< 250 psi) and high volumes.

- **FEATURES FOR EVERY TEMPERATURE**

In-hose heating controls the temperature of the chemical from the drums all the way to the gun nozzle output.

- **THE TRUSTED SYSTEM**

Designed with the contractor in mind, this system is perfect for new contractors, specialty and weatherization rigs for large contractors, OEMS and anything in-between.

REVOLUTIONIZING THE WAY TO SPRAY®.

- **TWIST AND LOCK NOZZLES**

Versatile cone and fan spray patterns with the updated twist and lock ColorWise® Temperature Warning Nozzles.



- **VARIABLE FLOW CONTROL**

Advanced Hi/Lo switch with meterable flow for industry leading application control.

- **INTUITIVE OPERATION**

One-hand required, simple and secure trigger safety that allows for pinch-free operation and protection from accidental chemical release.

HIGH OUTPUT, HIGH RELIABILITY

- **DURABLE METAL CONSTRUCTION**

Metal construction that can withstand the harshest conditions.

- **REPLACEABLE STATIC MIX NOZZLES**

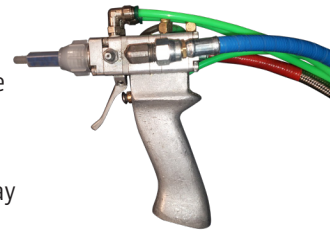
Long and short mix nozzles to control spray pattern and output.

- **HIGH VOLUME AIR PURGE**

Individual A-side and B-side air purge extends nozzle and gun life.

- **EASY SERVICE**

Modular gun that allows focus on specific section for service.



TEMPERATURE TIPS.

- **COLORWISE® TEMPERATURE WARNING NOZZLES**

Change from clear to blue indicating the chemical has reached cold temperatures [>60°F (16°C)] and the foam should not be dispensed.

- **CHEMICAL INSURANCE PLAN**

Stop spraying when the nozzle turns blue to avoid spraying cold foam resulting in off-ratio foam or yield-loss then properly condition the chemical before spraying again.

- **TWIST-ON / TWIST-OFF NOZZLES**

Versatile cone and fan spray patterns available.

ColorWise®
TEMPERATURE WARNING NOZZLES

SPRAY POLYURETHANE FOAMS



HANDIFOAM® HVLP MD 2.0 HFO

LOW PRESSURE SPRAY POLYURETHANE FOAM (SPF)

HandiFoam HVLP MD 2.0 HFO is a medium density, high-volume, low pressure polyurethane spray foam. Designed for use with the Nitrosys Plus system, this foam is perfect for smaller precision jobs, full insulation jobs and any job in-between. Formulated utilizing an HFO blowing agent as part of our ongoing commitment to developing foam chemistries with lower global warming impact and enhanced product performance.



RESIDENTIAL APPLICATIONS

- Insulating crawl spaces
- Residential wall insulation
- Insulating & sealing rim/band joists

COMMERCIAL APPLICATIONS

- Cold storage insulation
- Parking garage / commercial insulation

OEM APPLICATIONS

- Refrigerated trailer insulation
- Air handler / HVAC
- Vehicle doors
- Hot tub / spa manufacturing

Item #	UPC #	Description	Size	Yield
P60018	0 26547 60018 3	HANDIFOAM HVLP MD 2.0 HFO	110 gallon set	4,200 – 4,800 bdft.
P60008A	0 26547 60008 4	HANDIFOAM HVLP A-SIDE	55 gallon drum	
P60018B	0 26547 60018 3	HANDIFOAM HVLP MD 2.0 HFO B-SIDE	55 gallon drum	
P60017	0 26547 60017 6	HANDIFOAM HVLP MDW 2.0 HFO	110 gallon set	4,200 – 4,800 bdft.
P60008A	0 26547 60008 4	HANDIFOAM HVLP A-SIDE	55 gallon drum	
P60017B	0 26547 60017 6	HANDIFOAM HVLP MDW 2.0 HFO B-SIDE	55 gallon drum	

TECH DATA

DENSITY	2.00 lbs/ft ³ (32 kg/m ³)
CELL STRUCTURE	>90% CLOSED cell content
FIRE RATING Flame Spread Smoke Developed	ASTME84 at 4" thick < 25 < 450
APPROVALS	ER-728 Conforms to requirements of AC307; medium density foam NFPA 286 See ER-728 for more info.
SHELF LIFE	6 months (when stored unopened at 50–80°F)



HANDIFOAM® HVLP LOW DENSITY

LOW PRESSURE SPRAY POLYURETHANE FOAM (SPF)

HandiFoam HVLP Low Density is a high-volume, low pressure low density polyurethane spray foam. Designed for use with the Nitrosys Plus system, this foam is perfect for sound deadening or areas where a lower density foam is required.

RESIDENTIAL APPLICATIONS

- Insulating crawl spaces
- Residential wall insulation
- Insulating & sealing rim/band joists

COMMERCIAL APPLICATIONS

- Cold storage insulation
- Commercial wall insulation

OEM APPLICATIONS

- Refrigerated trailer insulation
- Hot tub / spa manufacturing

Item #	UPC #	Description	Size	Yield
P60020	0 26547 60020 6	HANDIFOAM HVLP LOW DENSITY (set)	110 gallon set	17,000 – 21,000 bdft.
P60008A	0 26547 60008 4	HANDIFOAM HVLP A-SIDE	55 gallon drum	
P60020B	0 26547 60020 6	HANDIFOAM HVLP LOW DENSITY B-SIDE	55 gallon drum	

TECH DATA

R-VALUE (Aged @ 90 days)	3.70 / in. at 1" thick 14.80 / in. at 4" thick
DENSITY	0.5 lbs/ft ³ (8 kg/m ³)
CELL STRUCTURE	>90% OPEN cell content
FIRE RATING Flame Spread Smoke Developed	ASTME84 at 4" thick < 25 < 450
APPROVALS	ER-810 Conforms to requirements of AC307; low density foam NFPA 286 Appendix X without coating. See TDS for more info.
SHELF LIFE	6 months (when stored unopened at 50–80°F)



POUR-IN-PLACE POLYURETHANE FOAMS



HANDIFOAM® HVLP PIP 2.0

LOW PRESSURE POUR-IN-PLACE POLYURETHANE FOAM (PIP)

HandiFoam HVLP PIP 2.0 is a medium density, high-volume, low pressure pour-in-place polyurethane foam specifically formulated to provide buoyancy, decrease vibrations and deaden sound. Designed for use with the Nitrosys Plus system, this foam is perfect for general purpose pour applications, flotation devices and designed to fill cavities, molds, holes and voids of various sizes.

HandiFoam HVLP PIP 2.0 meets the Coast Guard specification requirements for flotation in Title 33 Code of Federal Regulations, paragraph 183.114.

COMMERCIAL APPLICATIONS

- Retrofitting windows
- Industrial piping
- Window mullion filling

OEM APPLICATIONS

- Buoyancy for floating docks
- Marine applications
- Rotational molded product filling / insulation

OEM APPLICATIONS (CONT)

- Panels
- Metal door filling
- Air handler / HVAC

Item #	UPC #	Description	Size	Yield
P60014	0 26547 60014 5	HANDIFOAM HVLP PIP 2.0	110 gallon set	325 – 424 ft ³
P60008A	0 26547 60008 4	HANDIFOAM HVLP A-SIDE	55 gallon drum	
P60014B	0 26547 60014 5	HANDIFOAM HVLP PIP 2.0 B-SIDE	55 gallon drum	

TECH DATA

R-VALUE (Initial) 7.10 / in. at 1" thick

DENSITY 2.50 lbs/ft³
(32.04 kg/m³)

CELL STRUCTURE >97.5% CLOSED cell content

APPROVALS Title 33
Meets the specification requirements for flotation in Title 33 Code of Federal Regulations, paragraph 183.114.

SHELF LIFE 6 months
(when stored unopened at 50–80°F)



HANDIFOAM® HVLP GEO 3.0

LOW PRESSURE POUR-IN-PLACE POLYURETHANE FOAM (PIP)

HandiFoam HVLP GEO 3.0 is a medium density, high-volume, low pressure pour-in-place polyurethane foam specifically formulated to be used in concrete lifting and leveling. Also designed to fill cavities, holes or voids to provide soil stabilization.

Designed for use with the Nitrosys Plus system, this foam can be dispensed into clean and dry voids of various sizes to fill, seal, insulate, strengthen and increase the load bearing capacity below the surface.

RESIDENTIAL APPLICATIONS

- Walkways
- Driveways
- Garage floors

COMMERCIAL APPLICATIONS

- Slab flooring
- Parking lots

Item #	UPC #	Description	Size
P60015	0 26547 60015 2	HANDIFOAM HVLP GEO 3.0	110 gallon set
P60008A	0 26547 60008 4	HANDIFOAM HVLP A-SIDE	55 gallon drum
P60015B	0 26547 60015 2	HANDIFOAM HVLP GEO 3.0 B-SIDE	55 gallon drum

TECH DATA

R-VALUE (Initial) 6.00 / in. at 1" thick

DENSITY 3.00 lbs/ft³
(48 kg/m³)

CELL STRUCTURE >92% CLOSED cell content

COMPRESSIVE STRENGTH 35 – 40 lbf/in²
(241 – 276 kPa)
Parallel

SHELF LIFE 6 months
(when stored unopened at 50–80°F)





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