



# ARMOR

PIPE LINING SOLUTIONS



## THUNDER DRUM CATALOG

*Armor® is a Source One Environmental product*





# THUNDER DRUM 400

FOR PIPE REHABILITATION USING THE INVERSION PROCESS

## DETAIL VIEWS



## PART NUMBERS

ARMOR® THUNDER DRUM 400	
PART NUMBER	DESCRIPTION
S1E-TD400	Thunder Drum 400 - 6" Storz
NOZZLES - STRAIGHT	
PART NUMBER	DESCRIPTION
S1E-STZ6-2	2" Straight Nozzle - 6" Storz
S1E-STZ6-3	3" Straight Nozzle - 6" Storz
S1E-STZ6-4	4" Straight Nozzle - 6" Storz
S1E-STZ6-5	5" Straight Nozzle - 6" Storz
S1E-STZ6-6	6" Straight Nozzle - 6" Storz
S1E-STZ6-8	8" Straight Nozzle - 6" Storz
NOZZLES - 90° BENDS	
PART NUMBER	DESCRIPTION
S1E-STZ6-2-90	2" 90° Nozzle - 6" Storz
S1E-STZ6-3-90	3" 90° Nozzle - 6" Storz
S1E-STZ6-4-90	4" 90° Nozzle - 6" Storz
S1E-STZ6-5-90	5" 90° Nozzle - 6" Storz
S1E-STZ6-6-90	6" 90° Nozzle - 6" Storz
S1E-STZ6-8-90	8" 90° Nozzle - 6" Storz



## OVERVIEW

**75lbs**

### WEIGHT

EASY TO TRANSFER FROM THE TRUCK TO THE JOBSITE

### QUICK SWAP COUPLING

STORZ COMPATIBLE COUPLING TO QUICKLY SWAP ACCESSORIES

**100%**

### MOBILITY

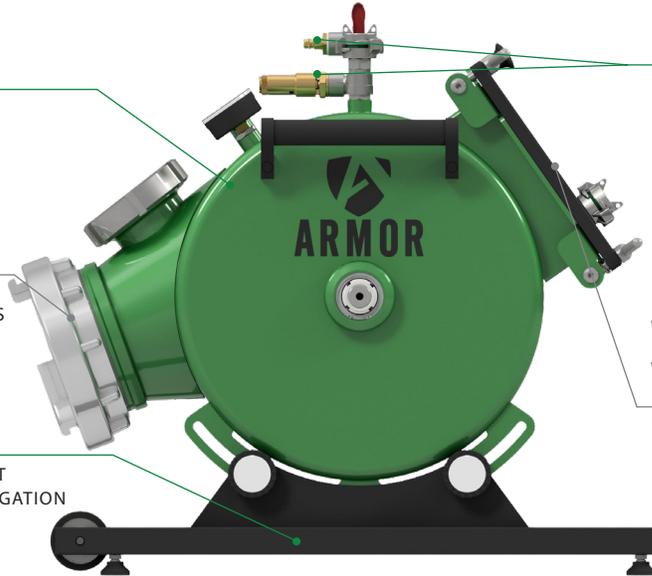
COMPACT DESIGN & TRANSPORT WHEELS ALLOW FOR EASY NAVIGATION

### PREMIUM FITTINGS

SMARTLY PLACED FOR QUICK ACCESSIBILITY AND MONITORING

### WINDOW VISIBILITY

LARGE WINDOW ALLOWS FOR MAXIMUM VISIBILITY OF IN-UNIT LINER MOVEMENT



MADE FOR **VERTICAL PLUMBING**  
**STACK REPAIRS** IN LOCATIONS WITH LIMITED ACCESS



**FITS UP TO 59' OF 4" LINER**  
OR **42' OF 6" LINER** IN ONE COMPACT PACKAGE



**CURES RESIN-IMPREGNATED LINER**  
WITH **HOT WATER, STEAM, AIR OR UV/LED LIGHT**

## FEATURES AND DETAILS



- 1 TWO CARRYING HANDLES (LEFT + RIGHT)
- 2 PRESSURE GAUGE
- 3 THERMOMETER
- 4 COMPRESSED AIR BALL VALVE
- 5 PRESSURE RELIEF VALVE
- 6 PROTECTIVE COATING
- 7 TILT ADJUSTMENT
- 8 RUBBERIZED FEET AND TRANSPORT ROLLERS
- 9 SIGHT GLASS FOR VISUAL CONTROL
- 10 WATER CONNECTION
- 11 STORZ COUPLING
- 12 HAND WHEEL

NAME	DRUM DIAMETER	SIZE (W x L x H)	CONTROL WINDOW	CONNECTION	MAX. PRESSURE	CURING METHOD	MAX. TEMPERATURE	WEIGHT	SAFETY VALVE	LINER DIMENSIONS
Armor® Thunder Drum 400	16"	18" x 28" x 25"	8"	6" Storz	21 psi (1.5 bar)	Air, steam, hot water, UV/LED light	212°F (100°C)	75 lbs	21 psi (1.5 bar)	4" = 59 ft 6" = 42 ft



# THUNDER DRUM 600

FOR PIPE REHABILITATION USING THE INVERSION PROCESS

## DETAIL VIEWS



## PART NUMBERS



### ARMOR® THUNDER DRUM 600

PART NUMBER	DESCRIPTION
S1E-TD600	Thunder Drum 600 - 8" Storz

### NOZZLES - STRAIGHT

PART NUMBER	DESCRIPTION
S1E-STZ8-10	10" Straight Nozzle - 8" Storz
S1E-STZ8-12	12" Straight Nozzle - 8" Storz

### NOZZLES - 90° BENDS

PART NUMBER	DESCRIPTION
S1E-STZ8-10-90	10" 90° Nozzle - 8" Storz
S1E-STZ8-12-90	12" 90° Nozzle - 8" Storz

# OVERVIEW

**6**

## INVERSION CONES

COMPATIBLE WITH STRAIGHT, CURVED AND Y-SHAPED NOZZLES

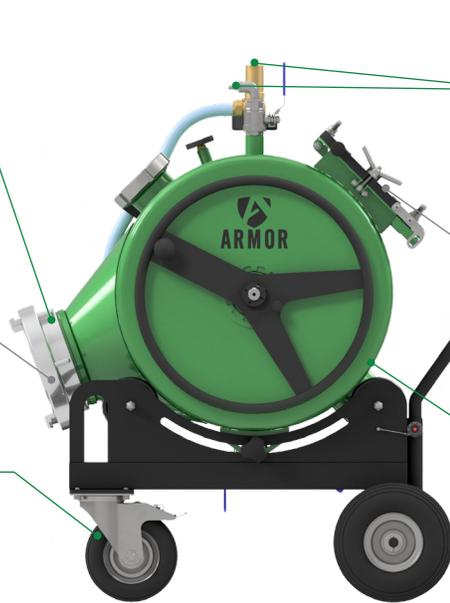
## QUICK SWAP COUPLING

STORZ COMPATIBLE COUPLING TO QUICKLY SWAP ACCESSORIES

**100%**

## MOBILITY

LARGE TRANSPORT WHEELS ALLOW FOR EASY NAVIGATION



## PREMIUM FITTINGS

SMARTLY PLACED FOR QUICK ACCESSIBILITY AND MONITORING

## LINER VISIBILITY

MULTIPLE WINDOWS ALLOW FOR MAXIMUM VISIBILITY OF IN-UNIT LINER MOVEMENT

## VERSATILE

SUITABLE FOR AMBIENT, HOT WATER, STEAM AND UV LIGHT CURING



**REHABILITATE LATERALS AND PIPES RANGING FROM 4" TO 8" IN DIAMETER**



**EASY TO REMOVE TRANSPORT HANDLE AND HAND WHEEL**



**FITS THROUGH ALL STANDARD RESIDENTIAL AND COMMERCIAL DOORWAYS**

# FEATURES AND DETAILS



- 1 REMOVABLE TRANSPORT HANDLE
- 2 PRESSURE GAUGE
- 3 THERMOMETER
- 4 COMPRESSED AIR BALL VALVE
- 5 PRESSURE RELIEF VALVE
- 6 PROTECTIVE COATING
- 7 TILT ADJUSTMENT
- 8 DRAIN DEVICE
- 9 SIGHT GLASS FOR VISUAL CONTROL
- 10 WATER CONNECTION
- 11 STORZ COUPLING
- 12 HAND WHEEL, REMOVABLE, MOUNTABLE ON BOTH SIDES

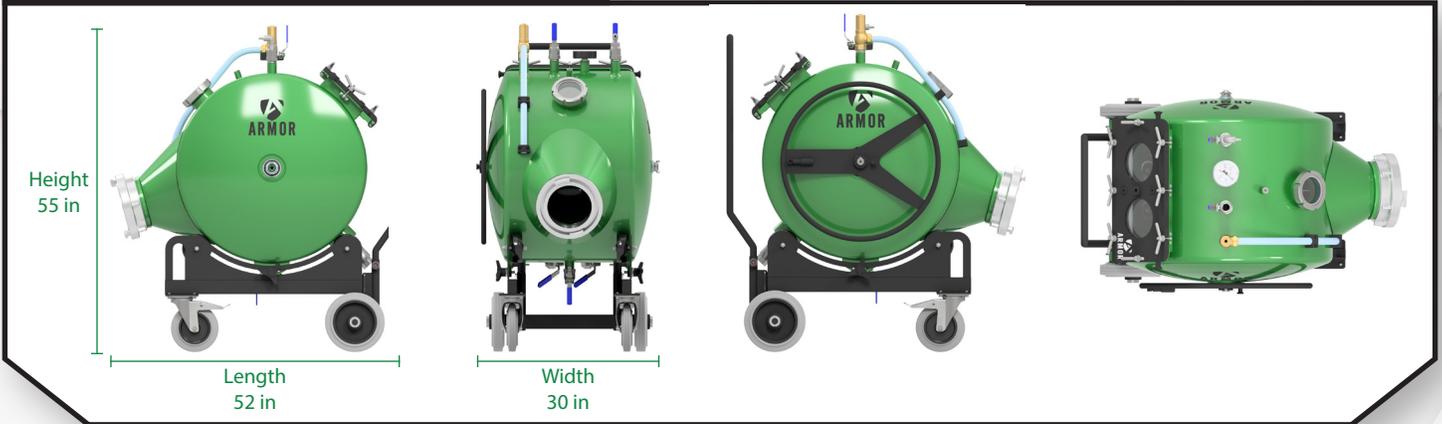
NAME	DRUM DIAMETER	SIZE (W x L x H)	CONTROL WINDOW	CONNECTION	MAX. PRESSURE	CURING METHOD	MAX. TEMPERATURE	WEIGHT	SAFETY VALVE	LINER DIMENSIONS
Armor® Thunder Drum 600	24"	25" x 44" x 51"	8" x 18"	8" Storz	21 psi (1.5 bar)	Air, steam, hot water, UV/LED light	212°F (100°C)	260 lbs	21 psi (1.5 bar)	4" = 114 ft 6" = 91 ft 8" = 82 ft



# THUNDER DRUM 800

FOR PIPE REHABILITATION USING THE INVERSION PROCESS

## DETAIL VIEWS



## PART NUMBERS



### ARMOR® THUNDER DRUM 800

PART NUMBER	DESCRIPTION
S1E-TD800	Thunder Drum 800 - 8" Storz

### NOZZLES - STRAIGHT

PART NUMBER	DESCRIPTION
S1E-STZ8-10	10" Straight Nozzle - 8" Storz
S1E-STZ8-12	12" Straight Nozzle - 8" Storz

### NOZZLES - 90° BENDS

PART NUMBER	DESCRIPTION
S1E-STZ8-10-90	10" 90° Nozzle - 8" Storz
S1E-STZ8-12-90	12" 90° Nozzle - 8" Storz

# OVERVIEW

## 2 OPTIONS

HAND WHEEL MOUNTABLE ON BOTH SIDES

## QUICK ASSEMBLY

REMOVABLE TRANSPORT HANDLE

## 100%

## MOBILITY

MOBILE AND FLEXIBLE DUE TO ROLLERS AND WEIGHT OPTIMIZATION



## UNIQUE

STAINLESS STEEL BODIES WITH SPECIAL COATING

## UNIVERSAL

TOOL-LESS TILT ADJUSTMENT



**HIGH CAPACITY** FITS UP TO 196' OF 4" LINER OR 164' OF 6" - 8" LINER



**EASY TO REMOVE** TRANSPORT HANDLE AND HAND WHEEL



**FITS THROUGH ALL STANDARD** RESIDENTIAL AND COMMERCIAL DOORWAYS

# FEATURES AND DETAILS



- 1 REMOVABLE TRANSPORT HANDLE
- 2 PRESSURE GAUGE
- 3 THERMOMETER
- 4 COMPRESSED AIR BALL VALVE
- 5 PRESSURE RELIEF VALVE
- 6 PROTECTIVE COATING
- 7 TILT ADJUSTMENT
- 8 DRAIN DEVICE
- 9 SIGHT GLASS FOR VISUAL CONTROL
- 10 WATER CONNECTION
- 11 STORZ COUPLING
- 12 HAND WHEEL, REMOVABLE, MOUNTABLE ON BOTH SIDES

NAME	DRUM DIAMETER	SIZE (W x L x H)	CONTROL WINDOW	CONNECTION	MAX. PRESSURE	CURING METHOD	MAX. TEMPERATURE	WEIGHT	SAFETY VALVE	LINER DIMENSIONS
Armor® Thunder Drum 800	32"	30" x 52" x 55"	15" x 18"	8" Storz	21 psi (1.5 bar)	Air, steam, hot water, UV/LED light	212°F (100°C)	331 lbs	21 psi (1.5 bar)	4" = 196 ft 6" = 164 ft 8" = 132ft



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