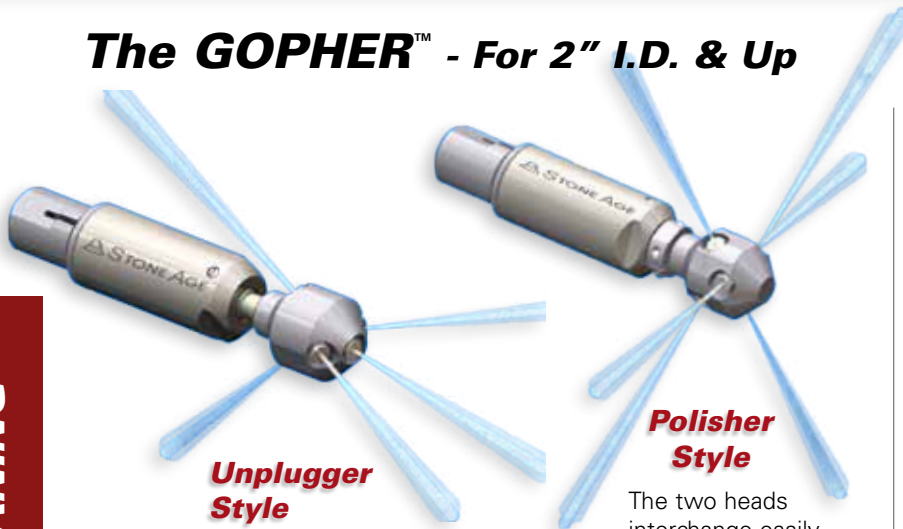


# 22k-40k for Small Straight Pipes

## The **GOPHER™** - For 2" I.D. & Up



The two heads interchange easily.

US Patent 5,909,848



## Hard Hitting Action with Controlled Rotation

The **Gopher™** is perfect for cleaning piping, evaporator tubes and process drains. It has the power to handle coke, polymers, coatings and latex; anything clogging tubes or pipes 2" or larger.



The **GO-M9™** uses **StoneAge® AP2 Attack Tips™** and the **GO-H9™** uses **OS4 Sapphire Tips™**. Choosing different jet configurations for unplugging or polishing allows for maximum productivity no matter what task you're faced with.

PIPE CLEANING

## Gopher™ - Specifications

MODEL	GO-M9™	GO H9-C™
Maximum Pressure	22k psi 1500 bar	40k psi 2800 bar
Rotation Rate	600-1000 rpm	600-1000 rpm
Flow Capacity	25 gpm 90 lpm	12 gpm 40 lpm
Flow Rating	0.84 Cv	0.30 Cv
Weight w/ Head	3 lbs 1.3 kg	3 lbs 1.3 kg
Diameter	1-5/8 in. 41 mm	1-5/8 in. 41 mm
Length	7.8 in. 198 mm	7.8 in. 198 mm
Head Diameter	1-5/8 in. 41 mm	1-5/8 in. 41 mm
Inlet	9/16 MP	9/16 HP
Outlet Ports	<b>AP2</b>	<b>OS4</b>
<b>Head Selection</b>		
Polisher Low-Flow	7-13 gpm 30-50 lpm	3.8-6.6 gpm 20-30 lpm
Model	<b>GO 042-R.14</b>	<b>GO 342-R.14</b>
Polisher High Flow	14-25 gpm 50-90 lpm	7-12 gpm 30-40 lpm
Model	<b>GO 042-R.07</b>	<b>GO 342-R.08</b>
Unplugging Low Flow	8-14 gpm 30-50 lpm	4-7 gpm 20-30 lpm
Model	<b>GO 043-R.17</b>	<b>GO 343-R.18</b>
Unplugging High Flow	15-25 gpm 50-90 lpm	7-12 gpm 30-45 lpm
Model	<b>GO 043-R.08</b>	<b>GO 343-R.08</b>

## Centralizers

**GO 070** for 4", 5", 6", 8" and 12" pipes.



**GO 075** for 3" or 4.5" pipes.



www.advancedpressuresystems.com  
**Toll Free in North America:**  
**1 (877) 290-4277 or (281) 290-9950**



# 15k-22k psi for 3"-12" Pipes

## The RAPTOR™ - 2D Nozzles w/ 60 gpm

### Raptor™ Nozzle with Optional Heads



The **Raptor™** is a 2-D self-rotating workhorse for either 15k or 22k psi. It's perfect for cleaning process drains, totes, closed head drums, water well screens, ducts and exhaust stacks. Used with the centralizers shown below it will clean pipes from 3" to 12" in diameter, and can handle straight tubes as tight as 2.25" in diameter. The **Raptor™** uses viscous fluid rotation speed control and operates with 2, 4 or 6 jets in balance.



- Rotation speed control
- Replaceable tips & seals
- Centralizers up to 12"
- 2, 4, or 6 jets in balance
- Optional 15° boring head

PIPE CLEANING

### Raptor™ Specifications

MODEL	Raptor™	
Maximum Pressure	22k psi	1500 bar
Rotation Rate		
Fast	50-250 rpm	
Slow	15-60 rpm	
Maximum Flow	60 gpm	230 lpm
Flow Rating	2.3 Cv	
Weight (w/o Head)	4.2 lbs	1.9 kg
Head Diameter		
<b>RPT 043-P2-6</b>	2.0 in.	51 mm
<b>RPT 044-P4-6</b>	2.5 in.	64 mm
Length	9.5 in.	240 mm
Inlet Port	1/2 npt or 9/16 MP	
Outlet Ports	1/8 npt & 1/4 npt	

### Available Options

There are two inlet connections available: 1/2" npt for 15k psi, and 9/16 MP for 22k psi. There are also two standard 6-jet heads with different diameters and a third head option featuring a boring jet for unplugging at 15° off-center in the front. All are made of durable stainless steel and use replaceable high pressure seals and nozzle tips.

We recommend using a centralizer to keep the head from rubbing against the cleaning surface. The **RPT 075** is a solid plastic skid centralizer available in 3" or 4.5" diameters. The **RPT 070**, for larger pipes, uses steel collars and replaceable plastic skids to fit 4" to 12" diameters.

### Centralizers



**RPT 075 Centralizer**

**RPT 075** for 3" or 4.5" pipes.



**RPT 070 Centralizer**

**RPT 070** is available for 4", 5", 6", 8" and 12" pipes.

		FLOWS		
		R30	R18	R11
PRESSURE	Head Offset			
	5k psi	10-23 gpm	16-38 gpm	25-60 gpm
	10k psi	10-18 gpm	15-31 gpm	25-51 gpm
	15k psi	10-17 gpm	16-28 gpm	26-47 gpm
	22k psi	10-16 gpm	17-26 gpm	27-43 gpm



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