



**OPERATING WATERBLASTING EQUIPMENT  
CAN BE POTENTIALLY HAZARDOUS.  
SEE PAGE 97 FOR IMPORTANT SAFETY INFORMATION**

# STRAIGHT PIPE CLEANING

## RAPTOR™

### Rotary Cleaning for Straight Pipes

The Raptor 2-D self-rotating tool is used to clean process drains, totes, closed head drums, water well screens, ducts, and exhaust stacks. Combined with a centralizer, it cleans pipes from 3–12 in. (76–305 mm) in diameter and can clean straight tubes as small as 2.25 in. (57 mm) in diameter.

The Raptor uses viscous fluid speed control and operates with 2, 4, or 6 jets in balance. We recommend using a centralizer to protect the head and improve jet action on the wall being cleaned.

#### FEATURES:

- High flow range aids in removing thick, tough deposits
- Controlled rotation for longer jet dwell times for difficult deposits
- Multiple jetting options allows for fine tuning heads to optimize cleaning
- Optional pull ring connection aids in jobs where tool needs to be pulled through the pipe
- Multiple head options available
- Optional entering devices available



**RPT 070**  
For 4", 5", 6", 8", 10" and 12" pipes.

#### OPTIONAL CENTRALIZERS

A centralizer helps to protect the tool as it passes through the pipe and balances jet standoff distance for more consistent cleaning. In cases where pipe size is more than 1.5 times the diameter of the tool, a centralizer is an important safety device, preventing the tool from turning around and thrusting backwards out of the pipe.

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

#### RAPTOR HEAD SPECIFICATIONS

HEAD	RPT 043-P2-6	RPT 044-P4-6
Diameter	2.0 in. 51 mm	2.5 in. 64 mm
Nozzles	6 or 7 x AP2	6 x AP4

#### RAPTOR HEAD SELECTION

Head Offset		R30	R18	R11
PRESSURE	5k psi 350 bar	10-23 gpm 38-87 l/min	16-38 gpm 60-140 l/min	25-60 gpm 95-230 l/min
	10k psi 700 bar	10-18 gpm 38-68 l/min	15-31 gpm 57-120 l/min	25-51 gpm 95-190 l/min
	15k psi 1000 bar	10-17 gpm 38-64 l/min	16-28 gpm 60-110 l/min	26-47 gpm 98-180 l/min
	22k psi 1500 bar	10-16 gpm 38-60 l/min	17-26 gpm 64-100 l/min	27-43 gpm 100-160 l/min

Tool Model	Pressure Range	Flow Range	Rotation Speed	Inlet Connection	Length	Weight
RPT	Up to 22k psi 1500 bar	Up to 60 gpm 230 l/min	15-60 rpm (Slow Fluid) 50-250 rpm (Fast Fluid)	1/2 NPT, 9/16 MP or M24	9.5 in. 240 mm	5.5 lbs 2.5 kg