



## Dust Wash "TKO" Nozzles



Footprints to Disaster

### Problem:

Combustible dust buildup is the number one cause of fires and explosions in power plant coal handling systems. Both the PRB Coal Users' Group and Asian Sub-Bituminous Coal Users' Group recommend frequent, proactive housekeeping to control float dust on floors, beams, light fixtures and equipment. This is easier said than done as many areas of the power plant with accumulated dust, such as tripper rooms, conveyor galleries and reclaim tunnels have inadequate drainage to accommodate the large volumes of plain water required to lift and move the dust.

### Solution:

HCT's Dust Wash was developed in conjunction with a major power company concerned about problems with sub-bituminous coal, such as PRB and Indonesian coals. Dust Wash is a low cost, high performing, foaming agent. Dust Wash foaming action lifts the dust

particles, while surface tension reduction of the water allows it to spread more easily, covering more surface area. Minimal amounts of Dust Wash/water solution are needed to transport the dust particles to drainage.

### Enhancement:

HCT introduces Turbo Kleen and Overhaul (TKO) Housekeeping Nozzles that combine the nozzle, eductor and Dust Wash agent into one, simple, easy-to-use tool. This powerful cleaning tool is low flow, easily transported to any part of the plant, and ready to use by simply attaching to any water supply. Need more Dust Wash? Simply unscrew the bottle and refill it or replace it with a reserve bottle. The amount of Dust Wash educted into the water is easily adjusted for stubborn, initial cleaning or quick, routine washdowns.



### Benefits of the Dust Wash TKO Nozzles:

- **Total housekeeping solution in one easy-to-use appliance**
- **Dust Wash foaming agent lifts and transports dust with a fraction of the water typically used**
- **Low flow nozzles don't overwhelm existing drainage**  
- 75 liter/minute (20 gpm) or 130 liter/minute (34 gpm)
- **Adjustable spray for hard-to-reach areas**

| Dust Wash "TKO" Nozzles  |   |   |
|--------------------------|---|---|
| Part #                   | Model NOZ-TKO-DW-075L                             | Model NOZ-TKO-DW-130L                             |
| Flow Rate                | 75 liters/min (20 gpm)                            | 130 liters/min (34 gpm)                           |
| Streaming Reach          | 8 m at 6 bar (26 feet at 87 psi)                  | 12 m at 6 bar (39 feet at 87 psi)                 |
| Fog Pattern Reach        | 4 m at 6 bar (13 feet at 87 psi)                  | 4 m at 6 bar (13 feet at 87 psi)                  |
| Dust Wash Capacity       | 2 liters (0.52 gallons)                           | 2 liters (0.52 gallons)                           |
| Duration with Dust Wash* | 5 mins 12 secs at 0.5%                            | 3 mins at 0.5%                                    |
| Coupling**               | 1 1/2" NH-NST fitting                             | 1 1/2" NH-NST fitting                             |
| Dimensions (l/w/h)       | 238 x 120 x 400 mm<br>(9 3/8" / 4 3/4" / 15 3/4") | 238 x 120 x 400 mm<br>(9 3/8" / 4 3/4" / 15 3/4") |
| Weight                   | 2 kg (4.5 lbs.)                                   | 2 kg (4.5 lbs.)                                   |



Multiple Proportioning Settings

\* Water continues to flow after Dust Wash is used  
 \*\* Available with Storz coupling

### Ask About Our Accessories for TKO Nozzles



| Dust Wash "TKO" Nozzle - Accessories |   |
|--------------------------------------|---|
| DW-TKO-BT                            | Dust Wash - 2-liter Bottle with Dust Wash Label & Lid |
| ADP-1.5NHTx1.0NHT                    | Adapter 1.5" NST/NHT x 1.0" (National Hose Thread)    |
| ADP-1.5NHTxGH*                       | Adapter 1.5" NST/NHT x GH (Garden Hose)               |
| DP-CP                                | Compact Plastic Drum or Pail Hand Pump                |

\* Garden Hose Adapter is for use with nozzle NOZ-TKO-DW-075L only.

### Dust Wash Is Your Cleaning Solution

Dust Wash is available in 5-gallon (20-liter) pails, 55-gallon (210-liter) drums and 250-gallon, 275-gallon or 1000-liter totes.

DW-005G  
DW-0020L

DW-055G  
DW-210L

DW-250G, DW-275G  
and DW-1000L

Hazard Control Technologies products are designed, developed and manufactured in compliance with ISO 9001. Certification of this compliance is issued by FM Approvals.



**HAZARD CONTROL TECHNOLOGIES, INC.**  
 150 Walter Way  
 Fayetteville, GA 30214  
 TEL: 770.719.5112  
 FAX: 770.719.5117

[www.hct-world.com](http://www.hct-world.com)  
[info@hct-world.com](mailto:info@hct-world.com)