

**CONVEYOR BELT
DUST SUPPRESSION
SYSTEMS**

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CONVEYOR TRANSFER SPRAY BAR



NO DUST AT TRANSFER CHUTE



OPEN TRANSFER CHUTE SPRAY BAR



VIBRATOR TO CONVEYOR FEEDING SPRAY BAR



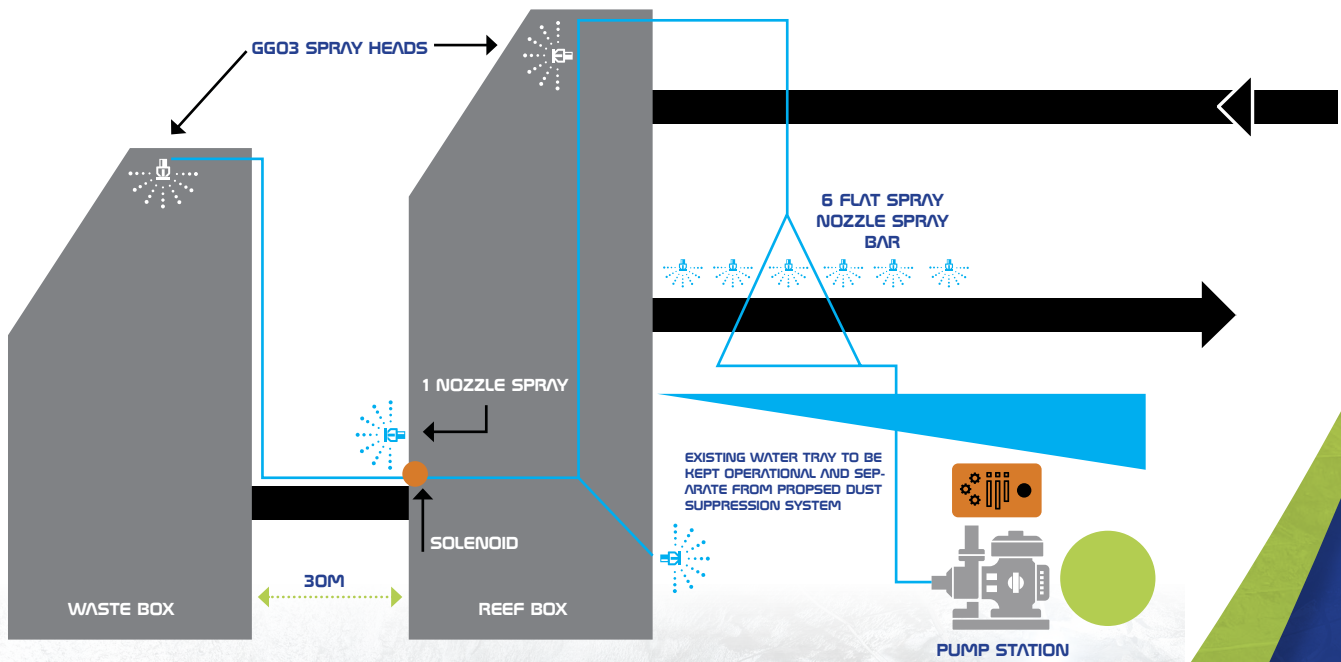
BOX FRONT TO CONVEYOR SPRAY BARS



SPRAY BAR

| Components | Description | | | | Quantity |
|---|--|------|-------|----------|----------|
| Pump Station | | | | | 1 |
| Available in | 220V | 380V | 525V | 1000V | |
| Pump size | WL25 | | WL45 | | 1 |
| Motor Size | 2.2kw | | 2.2kw | | 1 |
| Brands used | WEG; ACTOM; SIEMENS; ELECTROMOTE | | | | |
| Maximum flow @ 20 bar | 16 L/min | | | 32 L/min | |
| | 7 Max | | | 17Max | |
| Electrical Control Panel | | | | | |
| Activation types | Realtime aerosol monitor contact | | | | 1 |
| | Interconnection contact (conveyor belt Amps; scale;) | | | | 1 |
| | Remote start station | | | | 1 |
| Water Plant | | | | | |
| | 500 Liter tank | | | | 1 |
| | Mechanical float valve (max 10Bar supply) | | | | 1 |
| | Mechanical pressure reducer (reduce pressure by 10 Bar + water strainer for inlet water) | | | | 1 |
| | 10M float switch (dry run protection for pump) | | | | 1 |
| | Pump inlet strainer | | | | 1 |
| | Suction hose | | | | 1 |
| | Return hose | | | | 1 |
| | Teflon water plug | | | | 1 |
| | Pratley 2 way termination box | | | | 1 |
| Dosing plant (Optional) | Prominent beta 4 dosing pump | | | | 1 |
| | 210 Liter chemical tank | | | | 1 |
| | Level switch | | | | 1 |
| | Pratley 2 way box | | | | 1 |
| Plumbing | | | | | |
| Piping | 2" Dynamische Hydraulic pipe (275 Bar) | | | | 45m max |
| Elbows | " NTP | | | | 10 Max |
| T-Pieces | " NTP | | | | 30 Max |
| Holder bats | " 12mm single | | | | 30 Max |
| Spray heads | | | | | |
| | GG03 Spray Heads x (3 GG02 Nozzles each) @ 6.6 L/min | | | | 1 |
| | 2 GG02 Nozzle spray bar (4.2 L/min) | | | | 1 |
| | 1 GG02 Nozzle spray bar (2.2 L/min) | | | | 1 |
| Flat Nozzle Spray Bar (13.2 L/min) | | | | | 1 |
| Consumables | | | | | |
| | Cable ties | | | | 100 |
| | S/S straping | | | | |

SCHEMATIC OF PROPOSED SYSTEM'S



KDOHC

Contact: 082 442 7961 | info@kdohc.co.za

Address: Wilgepark-Unit 7, c/o Piet Uys & Govan Mbeki Str, Potchefstroom, North West, 2531

Office: 082 442 7961 | www.kdohc.co.za