

## EXPLOSION PROOF AND DUST IGNITION PROOF INDUSTRIAL VACUUM CLEANER SYSTEMS PNEUMATIC (AIR OPERATED) MODEL SS-25 IT

Interceptor Drum Units with Splash Guards to Recover Conductive Dust by Immersion



Model: SS-25 IT

- Immersion Recovery Drum System with Splash Guards for dry recovery.
- Hazardous Locations Equipment - Certified for use in Class I - Group C, D and Class II - Groups E, F and G.
- Flammable conductive dust produced from alloys and explosive powders are recovered directly into the Immersion recovery drum and neutralized in liquid such as oil, water, etc.
- Both the vacuum cleaner unit and the immersion recovery drum system are on a single 4 wheel cart to allow for easy maneuverability.
- A static dissipating connection hose assembly joins the vacuum source to the recovery drum making the entire unit conductive and static dissipating.
- Uses a venturi system to transform compressed air into powerful suction without the use of electricity. Tiger-Vac's venturi system has no moving parts and generates no heat for trouble free operation without wear.
- Recovered materials and neutralizing agents are easily disposed of through the drain valve.
- All accessories and hoses are ESD safe when connected to the explosion proof vacuum cleaner system.

N.B. Disposal of contaminants must adhere to Government regulations

**WARNING:** Please be aware that when recovering metal dusts (Class II - Group E), especially if you are combining more than 1 alloy, that there could be a negative reaction. For this reason we recommend the use of Tiger-Vac model IT-25 Interceptor Recovery Tank with Parafina Oil. Please contact us for further information.

**Toll free telephone: 1 800 668-4437**

**Web Site: <http://www.tiger-vac.com>**

**Toll free fax: 1 800 668-4439**

*Tiger-Vac Inc. (USA)*  
73 S.W. 12 Ave. Bldg.1. Unit 7  
Dania, FL 33004  
USA

*Tel.: (954) 925-3625*

*Fax.: (954) 925-3626*

*E-mail: [sales@tiger-vac.com](mailto:sales@tiger-vac.com)*

*Tiger-Vac International Inc.*  
2020 Dagenais Blvd. West  
Laval, Quebec  
Canada H7L 5W2

*Tel.: (450) 622-0100*

*Fax.: (450) 625-3388*

*E-mail: [support@tiger-vac.com](mailto:support@tiger-vac.com)*

*Tiger-Vac Europa Srl*  
Via Marie Curie 17  
Zona Industriale Ponte Rizzoli  
40064 Ozzano Emilia BO ITALIA

*Tel.: 39 333 6529535*

*Fax.: 39 051 5872904*

*E-mail: [info@tiger-vac.it](mailto:info@tiger-vac.it)*

## PNEUMATIC (AIR-OPERATED) PERFORMANCE CHART

### Ideal Performance for all models with Single Venturi Systems (6mm Air Jet)

| Compressor Size (HP) | Air Line Size  | Input Air Pressure/Barr | Suction Intake Ø | Vacuum H <sub>2</sub> O | Airflow CFM / l/S |
|----------------------|----------------|-------------------------|------------------|-------------------------|-------------------|
| 30                   | 0.5" (12.7mm)  | 80 PSI /5.5             | 1.5" (38mm)      | 170" (4320mm)           | 110 /52           |
| 30                   | 0.5" (12.7mm)  | 100 PSI /6.9            | 1.5" (38mm)      | 200" (5080mm)           | 95 /45            |
| 30                   | 0.75" * (19mm) | 80 PSI /5.5             | 1.5" (38mm)      | 170" (4320mm)           | 110 /52           |
| 30                   | 0.75" * (19mm) | 100 PSI /6.9            | 1.5" (38mm)      | 200" (5080mm)           | 95 /45            |
| 30                   | 0.75" * (19mm) | 80 PSI /5.5             | 2" (50mm)        | 180" (4570mm)           | 95 /45            |
| 30                   | 0.75" * (19mm) | 100 PSI /6.9            | 2" (50mm)        | 200" (5080mm)           | 110 /52           |

### Maximum Performance for all models with Single Venturi Systems (6mm Air Jet) (with input airflow of 100 CFM)

| Compressor Size (HP) | Air Line Size  | Input Air Pressure/Barr | Suction Intake Ø | Vacuum H <sub>2</sub> O | Airflow CFM / l/S |
|----------------------|----------------|-------------------------|------------------|-------------------------|-------------------|
| 50                   | 0.75" * (19mm) | 100 PSI /6.9            | 1.5" (38mm)      | 230" (5840mm)           | 120 /57           |
| 50                   | 0.75" * (19mm) | 100 PSI /6.9            | 2" (50mm)        | 230" (5840mm)           | 120 /57           |

### Ideal Performance for all models with Twin Venturi Systems (6mm Air Jet)

| Compressor Size (HP) | Air Line Size | Input Air Pressure/Barr | Suction Intake Ø | Vacuum H <sub>2</sub> O | Airflow CFM / l/S |
|----------------------|---------------|-------------------------|------------------|-------------------------|-------------------|
| 30                   | 1" (25mm)     | 100 PSI /6.9            | 2.5" (63mm)      | 190" (4830mm)           | 180 /85           |

### Maximum Performance for all models with Twin Venturi Systems (6mm Air Jet) (with input airflow of 100 CFM)

| Compressor Size (HP) | Air Line Size | Input Air Pressure/Barr | Suction Intake Ø | Vacuum H <sub>2</sub> O | Airflow CFM / l/S |
|----------------------|---------------|-------------------------|------------------|-------------------------|-------------------|
| 50                   | 0.75" (19mm)  | 100 PSI /6.9            | 2" (50mm)        | 230" (5840mm)           | 195 /92           |

\*SD: Static Dissipative

\*N.B. Single Venturi models are supplied with an Ø0.5" x 50' air supply hose and fittings. The 0.75" SD (Static Dissipative) air supply hose is available as an option.

For special applications, we can customize our air operated vacuum systems to suit your needs. This allows us to tailor our systems to better suit your specific compressed air availability and to provide the best performance for your application (vacuum vs. Airflow) A 7mm Air Jet is available for higher performance.