

SAND FEEDING INSTALLATION



Regular and complete filling of sandboxes is essential for safe train operation for both braking and traction on slippery rails. Lack of sand can generate dangerous situations – over running platforms and signals – plus premature wheel and rail wear.

A **Sand Feeding Installation** designed by **NEU Railways** is a clean and efficient way to fill the sandboxes of your rolling stock.

CONCEPT

A **Sand Feeding Installation** includes :

- A sand **Silo**,
- A set of **Sand Pumps** installed along aprons of the maintenance depot,
- A network of pipes generally installed under aprons and connecting each **Sand Pumps** to the Sand silo,
- A **Main Control Panel** managing the installation and ensuring the permanent filling of each **Sand Pumps**.



The **sand nozzle** arrangement makes sand filling as simple as putting petrol in your car. The **sand nozzle** is placed in the sandbox and the valve opened. The sand flows, and automatically stops when the sand level reaches the end of the **sand nozzle**. Closing the valve shuts **the sand nozzle** at the end, eliminating **sand spillage**. Dust extraction at the **sand nozzle** removes the potentially harmful dust emissions, so avoiding **health and safety issues**.

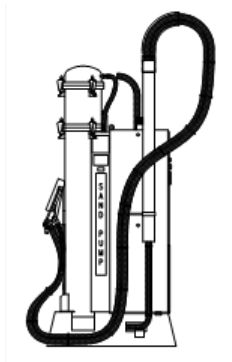


CHARACTERISTICS

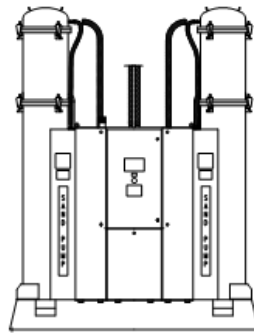
- ✓ No sand spillage,
- ✓ No dust emission with the **NEU** filtration system designed for the specific duty of handling sand,
- ✓ Truly low velocity pneumatic system **NEUPHASE** for maintaining the sand particle size and minimizing sand abrasion,
- ✓ Eliminates manual handling of sand bags,
- ✓ Easy nozzle handling as simple as filling up your car with petrol,
- ✓ Sand available immediately on demand,
- ✓ High sand flow rates to minimize filling time,
- ✓ Low consumption of compressed air,
- ✓ Low electrical power installed,
- ✓ No fall of sand on aprons,
- ✓ Sand Pump capacities to suit for all train types.

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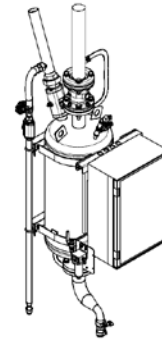
- Type of Sand Pumps :



SAND PUMP (SP)



TWIN SAND PUMP (TSP)



SUSPENDED SAND PUMP (SPS)

- Product range:

TYPE	CAPACITY (LITERS)	APPLICATION	LOCATION
SP 90	90	Standard size	Installed inside/outside the depot on aprons
SP 200	200	Sand Pump with large storage for filling sandboxes with high capacities	Installed inside or outside the depot on aprons
SPS 60	60	Compact suspended Sand Pump	Suspended or installed inside/outside the depot on aprons
SPS 90	90	High Capacity suspended Sand Pump	Suspended or installed inside/outside the depot on aprons
TSP 200	2 x 200	Twin Sand Pump for filling sandboxes with high capacities	Installed inside/outside the depot on aprons
TSP 350	2 x 350	Twin Sand Pump for filling sandboxes with very high capacities	Installed inside/outside the depot on aprons

Each type of **Sand Pump** can be delivered with one or several **fixed** or **mobile arms**.
The **Sand nozzles** are designed depending on the sandbox to be refilled.
Different lengths of flexible hoses available upon request.

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