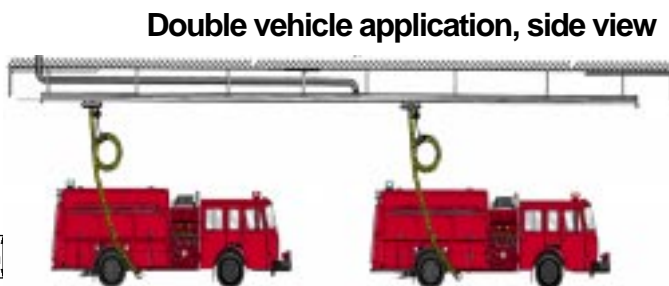
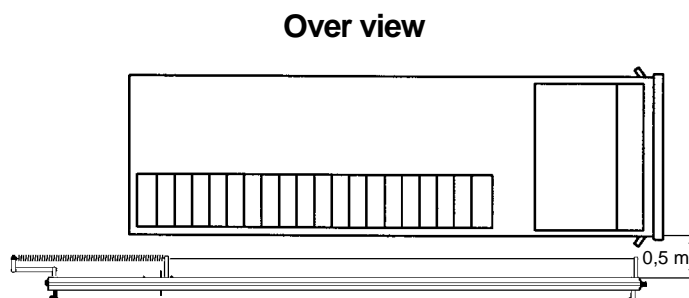
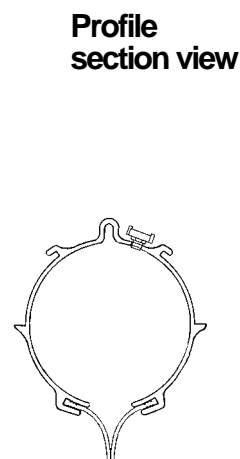
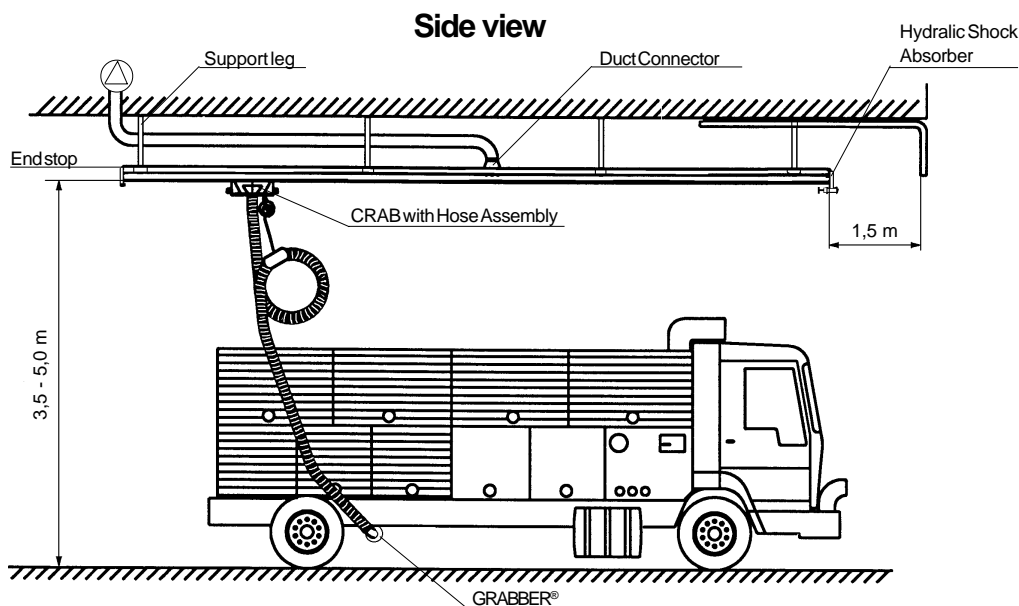


Scheda tecnica canalina STR - AIRUM Bologna - tel 051/60.25.072

The STR system consists of a special and easily visible extraction hose assembly with a unique pneumatic exhaust connection called the PlymoVent Grabber®. This resembles a glove which, when filled with air, makes a total seal around the exhaust pipe. The extraction hose has an inbuilt safety disconnect coupling and a manual fill deflation valve. It is suspended on a balancer block, safety hung from on a special crab, running inside the aluminium profile mounted above and to the side of the vehicle. The aluminium profile has a circular design with an open square area of 200 cm². The open underside of the profile is sealed by rubber lips.

Upon an alarm call the hose assembly and the crab move along with the vehicle, the crab striking a trip plate immediately releases the air pressure in the Grabber®, resulting in a disconnection of the Grabber® at the exit. The crab hits the hydraulic shock absorber, taking up the kinetic energy from the crab and the hose assembly. On the return of the vehicle to the station, the Grabber® is connected to the exhaust pipe and activated by simply pressing the MFD valve as the vehicle backs through the gate. At the same time the fan automatically starts and the vehicle continues to its rest position.



Advantages

- The system will allow up to four vehicles to stand in-line.
- Adjustable release points.
- The system can be extended up to 30 m.
- Adjustable mounting supports.
- Gas-tight rubber seals.
- Unique pneumatic exhaust pipe connector "GRABBER®"; for different sizes of exhaust pipes. 100 % tight against diesel exhaust fume leaks on start-up.
- Safety disconnect coupling; fail safe system, easily reconnectable.
- Hydraulic shock absorber to take up kinetic energy from the travelling crab assembly.