

## RL 4603 BUSS

Compressed air line supply unit RL with back up trolley  
P/N 151390000

The compressed air line supply unit model **RL 4603 BUSS** is a feeding system, complete and very safe, to feed at distance and even in very dangerous situations up to two operators. The unit is the main component of a breathing respirator with demand valve and full face mask. **RL BUSS** respirators are intrinsically provided with a back up supply system (BUSS) that provides air to the operator in case of interruption of the feeding from the main line, they are therefore suitable and ideal for the protection of the operators involved in long duration works in chemical plants, polluted areas and, generally, in all the cases where the worker shall enter narrow dangerous places and a safety margin is needed in case of problems with the main air line feeding system.

The system **RL 4603 BUSS** is made of a feeding system consisting of an adjustable pressure reducer and of a breathable air filtration unit for two operators provided with a coalescent filter for particle filtration and a carbon filter for gas and vapours filtration. The feeding system is connected to two four-way valves (also included in the system) that can feed through 8x17 hoses up to two demand valves and full face masks that may be up to a distance of 50 metres. The complete system also includes a **RC 4603** which acts as "**Back Up Supply Unit (BUSS)**" which is connected to the second inlet of the four-way valves and which activates in case of accidental failure of the main line.

Refer to the specific data sheet of the **RC 4603** for a description of the Back Up Supply System and of the relevant accessories needed for the use of the device (mask, demand valve, hoses and waist belt)

The system is provided with the exclusive **MK2** alarm system positioned in the demand valve only if the line has been settled up with a Spasciani **RB** reducer or when the **RC** system is active.

The **RL BUSS** shall be fed by a compressed air line source able to provide air of breathable quality (according to EN 12021) at a maximum pressure of 12 bar, that shall be then settled to 5 – 6 bar by means of the reducer regulator, and with a minimum flow of 500 l/min for operator.

**RL BUSS** respirators may be used in conjunction with back up self contained breathing apparatus **BVF BU**, connected through a four-way valve and worn by the user. The breathing apparatus activates when for any reason the feeding from the air line system is interrupted and enables to get out from the dangerous area.





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## TECHNICAL DATA

**RB pressure reducer (of the back up system):** piston with compensator

**Demand valve:** with integral alarm device and supplementary supply button

**Setting of the alarm at the demand valve and at the trolley (of the back up system):** 55 ± 5 bar

**Volume/pressure of Cylinder (of the back up system):** 6 l/ 300 bar

**Number of cylinders (of the back up system):** 4

**Feeding hoses:** diameter 8x17, available in different sizes (max 50 meters)

**Air reserve (of the back up system):** 6600 N litres

**Duration (of the back up system):** 220 min with an average consumption of 30 l/min and with one operator

**Switching pressure from line to back up system:** 3.5 Bar

**Feeding pressure of the filtering group:** Max 12 Bar

## CLASSIFICATION

Certified to **EN 14593-1:2005** and meeting with directives **98/686/EEC (PPE)** and **97/23/EC (PED)**.

## MARKING



## MATERIALS

Mask:	See specific data sheet
Carrying belt:	Self-extinguishing webbing and metal snap hook
Reducer:	Nickel plated aluminium
Alarm and feeding block:	Nickel plated aluminium
Automatic demand valve:	Glass fiber reinforced nylon housing
Feeding hoses:	Non-toxic SBR provided with special clamped quick connectors
Filtering groups:	
Body:	Metal
Particle filtration media:	Coalescent media (filter paper)
Vapour filtration media:	Activated carbon
Cylinders:	Steel

## STORAGE

Store at temperatures between -20 and +50 °C and with RH <80%

## WEIGHT

75 Kg approx. with fully charged cylinders (without masks and hoses)

## DIMENSIONS

540 x 500 x 116 mm

For more information please check the notes along with the products or the ones published on the website: [www.spasciani.com](http://www.spasciani.com)

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