

RL AIRLINE SYSTEM

Spasciani respirators type **RL** are airline breathing apparatus provided with demand valve and full face mask.

The compressed air can be supplied by a fixed high pressure air supply system (e.g. cylinders pack or HP line) or by a fixed or mobile medium pressure air supply system (e.g. medium pressure line or compressor).

Spasciani **RL** respirators shall be fed from a breathable compressed air network at **5.5 bar**.

If the reducer used is a normal commercial reducer the warning signal built into the demand valve cannot activate. If the system is equipped with a Spasciani **RB** pressure reducer, the special warning at the demand valve can activate and warn the operator that the air reserve is running out.

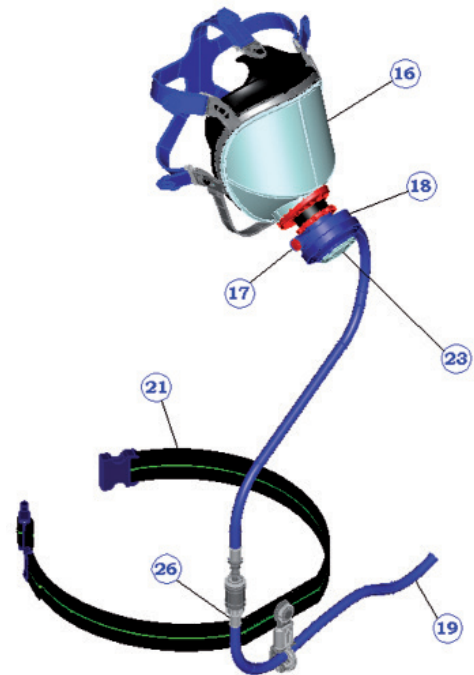
The compressed breathable air used for feeding RL respirators shall always comply with the requirements of the EN 12021 standard.

The Spasciani automatic demand valve keeps a positive pressure in the mask thus avoiding any possible inward leakage of contaminated air from the outside. Should it become necessary, extra air can be injected into the mask by acting on the special button (23). The demand valve is connected to the medium pressure hose by means of a quick coupling which allows to disconnect it very easily for maintenance.

RL airlines are designed for use in polluted or oxygen deficient environments for maintenance works or long-lasting operations; they can be fed through a medium pressure hose up to 50 m long (19).

RL FUNCTIONAL PARTS

- **Demand valve** (18) type A or BN, with audible warning device, according to the mask provided
- **Mask** (16) of the following types (for more details please refer to relevant data sheet):
 - **TR 82 A, EN 136:98 CI 3**, provided with threaded connector to **EN 148-3**
 - **TR 2002 A or TR 2002 S A, EN 136:98 CI 3**, provided with threaded connector to **EN 148-3**
 - **TR 82 B**, to **EN 136:98 CI 3**, provided with a bayonet quick connection according to **DIN 58600**
 - **TR 2002 BN or TR 2002 S BN**, to **EN 136:98 CI 3**, provided with a bayonet quick connection according to **DIN 58600**. This mask is also provided with a special patented mechanism that enables use with negative pressure devices such as b.a. demand valves or canister having a standard thread connector to **EN 148-1**
- **Medium pressure feeding hose** (19) with quick safety couplings (26) connecting the air source to the demand valve/mask assembly available in the following lengths 5, 10, 20, 30, 40, 50 m
- **Supporting waist belt** (21) - Adjustable belt supporting the feeding hose hung to the special safety hook.



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CLASSIFICATION

Certified to **EN 14593-1:2005** and complies with the provisions of the **PPE Regulation 2016/425/EU**

MARKING



MATERIALS

Mask:	(see specific data sheet for the chosen mask, we hereby report the more common types)
Facepiece:	EPDM / Silicone
Visor:	Scratch and solvent resistant polycarbonate
Inner Nose Cup:	TPE
Five arm head harness:	EPDM
Carrying strap:	PVC
Demand valve:	Fiber glass reinforced nylon housing
Waist belt:	Self-extinguishing webbing and metal snap hook
Feeding hose:	Non-toxic rubber provided with clamped quick connectors Eurocoupling type, antistatic

Special Application of RL system - Back Up System

The RL systems can be connected to two different type of backup systems, to ensure greater safety to operators.

Back up system EN 137:2006 (BVF-BU)

RL systems can be connected to a switch over device (4 Way Valve) (26) attached to the waist belt, that enables to connect a back up system. The back up system is in this case a breathing apparatus Spasciani series BVF-BU that meets the requirements of EN 137 standard. The 4 Way Valve, in case of failure of the feeding line, automatically switches to the small cylinder.

Back up supply system (BUSS)

The BUSS system gives extra safety margin by adding a cylinder cascade to the RL system which is activated in case the main air supply fails for any reason. The BUSS is made by connecting an RL and an RC system by means of two 4 Way Valve. Each 4-way valve is connected to a medium pressure tube coming from the line and to one medium pressure tube coming from the RB reducer of the RC respirator. One 4-way valve is connected to a medium pressure tube feeding the breathing tube placed on the reel and the other is provided with an attachment for the breathable supply tube.

For more information please check the notes along with the products or the ones published on the website: www.spasciani.com

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