

Datasheet RN

Self Contained Breathing Apparatus – Type 1

RN is a Self Contained Breathing Apparatus designed for maintenance interventions in chemical plants and industrial areas, for rescue intervention and, generally, in all cases where there is, or may be, oxygen deficiency.

RN is fitted with an automatic demand valve which keeps a positive pressure in the mask thus avoiding any possible inward leakage of contaminated air from the outside. Should it become necessary the positive pressure mode can be activated by acting on the special button that acts as a supplementary air command, too. 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.

The back plate is made of vacuum formed polypropylene, it is extremely robust and anatomically shaped to allow a comfortable distribution of weight and remains steady on the wearer's back even when crouching or crawling. The supporting harness is provided with a special padding to increase comfort and with a soft belt in the hips area which increases portability of the equipment. All harnesses and padding are in aramidic and para-aramidic material and self-extinguishing foams. Special handles integral with the backplate are provided for carrying the set along.

The pressure reducer keeps the outlet pressure constant throughout the emptying of the cylinder and is connected to an easy to read phosphorescent gauge. The cylinder has a pressure of 300 bar and is fitted with a valve according to EN 144.

RN can also be used in conjunction with a wheeled BA Spasciani RC or an air line feeding system by means of the optional 4-way valve.

FULL-FACE MASK

RN can be equipped with two different type of masks:

TR 82, classic design (EPDM and silicone)

TR 2002, modern design (TPE, EPDM and silicone)

Both these models are available with threaded (M45x3) or bayonet connector.

DEMAND VALVE

RN can be supplied with demand valve type A or BN. Both activate automatically with a button to stop airflow.

Modell	Merkmale
RN A	M45x3 Gewindeanschluss
RN BN	DIN 58600 Bajonettanschluss



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CYLINDERS

SCBA can be equipped with steel or composite cylinders:

Volumen (l)	Druck (bar)	Material
6	300	Stahl
6.8	300	Komposite
9	300	Komposite

RN breathing apparatuses are approved for use only with cylinders authorized by SPASCIANI, for further information on the cylinder models available, contact customer service.

Article-Number: 201293 & 201295

ACCESSORIES

Additional alarm: The accessory “additional alarm”, available on request, gives the possibility to add a continuous whistle to the alarm signal provided already in the demand valve.

Four-ways valve The Automatic 4-way valve allows you to:



- feed a second operator who will be equipped with an individual warning device signal on their mask;
- connect the self-contained breathing apparatus to an alternative source of air to prolong its autonomy and/or to ensure a safe escape whenever the main feeding source has suffered an accidental interruption.

Escape hood for second operator: The hood is made of PVC coated fabric with an adaptable collar, fed by a constant flow which offers the possibility of rescuing a second operator exposed to a dangerous atmosphere. Comes in a fabric bag that can be conveniently attached to a belt. If necessary, the hood is extracted and connected to the second user of the RN in a simple and rapid way.

Connections of the medium pressure hose: The medium pressure hose, which connects the reducer to the demand valve, is equipped with quick Euro-Coupling connections (default) or with Spasciani connections (upon request).

Excess flow valve: The valve of the cylinder can be equipped, upon request, with an excess flow valve.

ATEX Certification: Upon request, the self-contained breathing apparatuses can be provided in the “Atex” version. They are non-electric devices that can be use in several types of explosive atmosphere as specified in the applied marking:

 II 1G Ex h IIC T6 Ga
 II 1D Ex h IIIC T85°C Da

Revision 02.2025 – Errors and omissions excepted. All data are non-binding guide values.



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TECHNICAL DATA

Pressure Reducer:	piston with compensator	
Automatic Demand Valve:	with integral alarm device and supplementary supply button	
Maximum working pressure:	300 bar	
Setting of the Alarm:	55 ± 5 bar	
Working temperature:	-30°C +60°C	
Duration:	with 6 l 300 bar cylinder: 55±5 min; with 6.8 l 300 bar cylinder: 62±5 min; with 9 l 300 bar cylinder: 82±5 min	
Certification:	Certified Type 1 to EN 137:2006 and meeting with the provisions of Regulation (EU) 2016/425 (PPE), Directives 2014/68/UE (PED) and 2014/34/UE (ATEX)*. *on request	
Marking:	 	
Producer:	Spasciani S.p.A	
Materials:	Backplate:	Thermoplastic polypropylene
	Harness with padding:	Self-extinguishing webbing and expanded polyurethane
	Pressure reducer:	Brass alloy chrome plated
	Demand valve:	Glass fiber reinforced nylon
Storage:	Store at temperatures between -20 and +50°C and with R.H. <80%	
Weight:	Equipment complete with mask and 6 l charged steel cylinder: 14 Kg approx. Equipment complete with mask and 6,8 l charged composite cylinder: 12 Kg approx.	
Dimensions/ Packing:	310 x 640 x 210 mm measured with set laying down on a flat surface. The set is packed w/o cylinder in a carton box dimensions: 710 x 210 x 460 mm. Cylinder is packed into a carton box dimensions: 710 x 150 x 160 mm.	

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P/N FÜR DIE BESTELLUNG VON VORMONTIERTEN BAUSÄTZEN

P/N	Beschreibung
4009200KT	RN A TR 2002 ohne Zylinder
4009300KT	RN BN TR 2002 ohne Zylinder

Vollmaske für TYPE 1 SCBA

P/N	Beschreibung
113040000	TR 2002 A CL2
113050000	TR 2002 BN CL2
112300000	TR 82 A
112310000	TR 82 B
113000000	TR 2002 A CL3
113010000	TR 2002 BN CL3

ZYLINDER

P/N	Beschreibung
924630000	6 l 300 bar Stahl
92426000C	6.8 l 300 bar Komposite T4
92449800C	9 l 300 bar Komposite T4

Rückwand + Druckminderer

P/N	Beschreibung
158750000	TELAIO RN MK2 + RID. RN EN 144 EC

Lungenautomat

P/N	Beschreibung
1588500CJ	MK2 A
1579100CJ	MK2 BN

Zubehör

P/N	Beschreibung
9324400CJ	Vier-Wege-Ventil
152530000	Zusätzlicher Alarm
1574100EC	Fluchthaube für zweiten Bediener
936010000	Ventil für überschüssigen Durchfluss
612230000	Nierenband für RN-Gurtzeug

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