



## FRESH AIR HOSE BREATHING APPARATUS PSH-1, PSH-2

Fresh air hose breathing apparatus PSH-1, PSH-2 are designed to protect the respiratory system, eyes and skin from hazardous substances in the air regardless of their concentration. Also they are used to operate in air oxygen-deficient working zones. The device is applied in various sectors of industry, agriculture and public utilities to operate inside of tanks, reservoirs, wells, compartments and isolated systems.

Depending on the design of air supply hose, they may be made as a fresh air hose breathing apparatus (self-suction) and as a powered fresh air hose breathing apparatus (forced air supply).

Fresh air hose breathing apparatus PSH-1, PSH-2 are completed with following facepieces: SHMP-1, PPM-88, MGU, MAG, SHM-2012.

- PSH-1S with 10 m long air supply hose (in a bag with packed hose);
- PSH-1S-20 with 20 m long air supply hose (in a bag with packed hose);
- PSH-1B with 10 m long air supply hose (hose fixed to the drum);
- PSH-1B-20 with 20 m long air supply hose (hose fixed to the drum);
- PSH-20RV (ERV) with 20 m long air supply hose (hose fixed to the drum);
- PSH-20 RV-2 (ERV-2), PSH-40RV (ERV) with two 20 m long and 40 m long air supply hoses (20 m long hose fixed to the drum and additional 20 m long hose in a bag).



Fresh air hose breathing apparatus PSH-1, PSH-2 PSH-1S, PSH-1B, PSH-1B-20 are one-channel pressureless breathing apparatus, in which air flows under facepiece through reinforced hose when the operator is breathing (self-suction).

Fresh air hose breathing apparatus PSH-1, PSH-2 PSH-20 RV (ERV, RV-2, ERV-2), PSH-40 RV (ERV) are air-forced isolating breathing apparatus in which breathing air is supplied from clean air zone through reinforced hose by hand-operated air blower or electric air blower. In fresh air hose breathing apparatus PSH-20 RV-2 (ERV-2) air enters into the area under masks of two operators through two reinforced hoses simultaneously. Time of work is limited by human physiological capabilities.

## Technical characteristics

	PSH-1	PSH-2
Breathing resistance at air-flow rate of 30 dm <sup>3</sup> /min, Pa	At inhale air - no more than 200 At exhale air - no more than 200	Only at exhale air - 127
Protection time	Not limited	
Respirator is airtight at excessive air pressure, Pa	1000	
Working temperature, °C	-30....+40	
Shelf life, years	3	

## Weight, kg, not more than:

PSH-1S	10
PSH-1S-20	16
PSH-1B	17
PSH-1B-20	23
PSH-20RV (ERV)	32 (34)
PSH-20RV-2 (ERV-2)	41 (55)
PSH-40RV (ERV)	42,2 (54,5)

- **Waist** of special design is supplemented with shoulder belt made of cotton tape that excludes stripping of shoulder straps from shoulder joint;
- **Belt and shoulder buckles** are made of spark-proof material;
- **The length of signal cord** is extended by 2 m to use it in various cases of emergency;
- **Reinforced rubber air supply hose** is not exposed to squeezing and bending when manhole is accidentally closed or when heavy objects are fallen on the hose;
- **Aluminum attachment bracket of corrugated tube to shoulder belt** is more reliable and durable in comparison with the plastic one that breaks down after 2-3 cases of use;
- **Drum** has hardwearing paint coating resistant to water, hostile environment and surrounding air temperature;
- **Sealing of products** provides safety during transportation and storage.

PSH-1 set includes a stud fixing filter above ground surface and preventing ingress of dust, moisture etc. into air supply line.

**Attention: During transportation and storage, component parts and datasheet are placed into drum or bag.**