

Dräger Regulating Valve PT 120L



For users of gas-tight chemical protection suits, Dräger Safety has further improved the air-conditioning for the wearer. The Dräger Regulating Valve PT 120L enables reliable ventilation through controllable ventilation currents during the decontamination of chemical protection suits and also during use.



Dräger TeamMaster Pro-ET-orange with Airline trolley PAS AirPak 1



Dräger Regulating Valve PT 120L

Functional features

Moisture from breath and sweat can result in increased temperature and humidity inside a gas-tight chemical protection suit (CPS). In TeamMaster, NBC-Master and WorkMaster models, cooling air is distributed through a network of tubes. The air inside the CPS that is now saturated with moisture is removed via valves integrated into the CPS. This creates a more agreeable climate inside the suit, making it considerably more comfortable for the wearer.

Operation

The Dräger Regulating Valve PT 120L is integrated on the outside of chemical protection suits such as the TeamMaster Pro-ET, and connected to the Automatic Switch-Over Valve (ASV) on the compressed-air breathing apparatus. This ASV guarantees additional safety and reliability because the ventilation is achieved exclusively from the external breathing air supply.

In conjunction with the additional ASV, the breathing apparatus is connected to the air supply manifold via the Regulating Valve PT 120L and automatically switches over to the external compressed air supply. The switching operation is briefly indicated by

an integrated whistle. In the event of failure of the external compressed air supply, the system automatically switches back to the breathing apparatus. The supply of breathing air continues uninterrupted during the switch-over.

Control of ventilation

The ventilation currents can be set to one of four levels: ventilation rates of 5, 30 or 120 litres/minute are possible and ventilation can also be switched off altogether. If the external ventilation is interrupted, the ASV automatically switches over to the air supply from the breathing apparatus and ventilation of the CPS is automatically stopped so that the air reserve of the breathing apparatus is used entirely for breathing.

Certification

The Dräger Regulating Valve PT 120L together with ASV and TeamMaster, NBC-Master or WorkMaster models, among others, is tested and certified to the current standards EN 14 593-1:2005, prEN 137:2003 and EN 943 Part 1 and Part 2 (ET):2002.

Dräger Regulating Valve PT 120L – another quality product from Dräger Safety.

TECHNICAL DATA

Ventilation rates:	0, 5, 30 or 120 l/min. (at an external supply pressure of at least 7.5 bar)
Supply rate of external air source:	at least 550 l/min. for each chemical protection suit user
Supply pressure of external air source:	7.5 to 10 bar
Temperature range:	-10 °C to +60 °C / 14 °F to 140 °F
Connections, external:	Euro plug-in coupling of stainless steel, long version, nominal diameter 12 mm with quick release safety coupling with self locking nipple
Connections, internal for medium pressure:	3/8" - 24 UNF [Unified National Fine Thread] in acc. to UNF Thread ANSI/B 1.1.
Connections, internal for ventilation:	plastic sleeve for connecting hose, internal diameter = 5 mm
Protective cap for external male coupling:	stainless steel, sealed with O-ring
Weight:	approx. 500 g with connecting hose and couplings for TeamMaster and NBC Master 9x90 series; approx. 510 g with connecting hose and couplings for WorkMaster and NBC Master 8x90 series
Approvals:	EN 14 593 – Part 1:2005; prEN 137:2003 in conjunction with EN 943 Parts 1 and 2 (ET):2002

Other product information

Automatic switch-over valve (ASV) for CPS:	see separate leaflet, 169/issue 1/07.05
Dräger TeamMaster PRO-ET:	see separate leaflet, 90 46 016
Dräger TeamMaster (UMEX):	see separate leaflet, 90 46 220
Dräger WorkMaster PRO-ET:	see separate leaflet, 90 46 014
Dräger Heavy duty airline system:	see separate leaflet, 150/issue 1/01.05
Dräger Airline trolley PAS AirPak 1	see separate leaflet, 90 46 140
Dräger Airline trolley PAS AirPak 2	see separate leaflet, 148/issue 1/11.03

ORDER INFORMATION FOR NECESSARY ACCESSORIES

Special automatic switch-over valve (ASV) for CPS, without warning whistle	33 54 568
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ORDER INFORMATION FOR RETROFIT ACCESSORIES

Dräger Regulating Valve PT 120L	with connecting hose: 1000 mm, and special coupling for Dräger TeamMaster and NBC 9x90 versions and compressed air breathing apparatus, equipped with ASV	R 56 526
Dräger Regulating Valve PT 120L	with connecting hose: 500 mm, and special coupling for Dräger TeamMaster and NBC 9x90 versions and compressed air breathing apparatus, equipped with ASV	R 56 527
Dräger Regulating Valve PT 120L	with connecting hose: 250 mm, and special coupling for Dräger WorkMaster and NBC 8x90 versions and compressed air breathing apparatus, equipped with ASV	R 56 513

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