

# 1ST STAGE BAIL-OUT REGULATOR

## DESCRIPTION:

The Drass 1st Stage Bail Out Regulator is a balanced system which reduces the pressure of the gas in the cylinder to the environmental pressure + 8 bar.

The three versions offered are dedicated to feeding the diver's regulator in emergency conditions in shallow water and deep operations.

## AVAILABLE CONFIGURATIONS:

### 1. 1st stage regulator INT connection

Cylinder side maximum operating pressure 230 bar.

COMMERCIAL CODE	FLUID	MATERIAL	CONNECTION	MAX. INLET/OUTLET PRESSURE
97DD-02-05-06-00-00	Air He/O2 Mix (%O2<25)	BRASS	Inlet : INT	Pin : 230 bar
			Outlet : 4 off 3/8" x 24 UNF (LP) 2 off 7/16 x 20 UNF (HP)	Pout : 8 bar over ambient pressure

OPTIONAL SPARE PARTS FOR 1ST STAGE REGULATOR INT CONNECTION 97DD-02-05-06-00-00

ITEM	DESCRIPTION	QUANTITY	COMMERCIAL CODE
1	O Ring	1	97DD-06-01-01-00-00
2	BK Ring	1	
3	Piston	1	
4	Membrane	1	
5	Membrane sealing washer	1	
6	Filter	1	



### 2. 1st stage regulator DIN 300 connection

Cylinder side maximum operating pressure 300 bar.

Equipped with "Anti-freeze" protection system on the balance side of the regulator which prevents the entrance of external agents. It is used primarily during sand blasting operations or HPWJ to prevent sand and debris suspended in the water from entering the regulator.



COMMERCIAL CODE	FLUID	MATERIAL	CONNECTION	MAX. INLET/OUTLET PRESSURE
97DD-02-03-06-00-00	Air He/O2 Mix (%O2<25)	BRASS	Inlet : DIN 300	Pin : 300 bar
			Outlet : 4 off 3/8" x 24 UNF (LP) 2 off 7/16 x 20 UNF (HP)	Pout : 8 bar over ambient pressure

OPTIONAL SPARE PARTS FOR 1ST STAGE REGULATOR DIN 300 CONNECTION 97DD-02-03-06-00-00

ITEM	DESCRIPTION	QUANTITY	COMMERCIAL CODE
1	O Ring	1	97DD-06-01-05-00-00
2	BK Ring	1	
3	Piston	1	
4	Membrane	1	
5	Membrane sealing washer	1	
6	Filter	1	

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### 3. 1st stage regulator DIN 300 connection

Cylinder side maximum operating pressure 300 bar.

COMMERCIAL CODE	FLUID	MATERIAL	CONNECTION	MAX. INLET/OUTLET PRESSURE
97DD-02-03-05-00-00	Air He/O <sub>2</sub> Mix (%O <sub>2</sub> <25)	BRASS	Inlet : DIN 300	Pin : 300 bar
			Outlet : 4 off 3/8" x 24 UNF (LP) 2 off 7/16 x 20 UNF (HP)	Pout : 8 bar over ambient pressure

OPTIONAL SPARE PARTS FOR 1ST STAGE REGULATOR DIN 300 CONNECTION 97DD-02-03-05-00-00

ITEM	DESCRIPTION	QUANTITY	COMMERCIAL CODE
1	O Ring	1	97DD-06-01-03-00-00
2	BK Ring	1	
3	Piston	1	
4	Membrane	1	
5	Membrane sealing washer	1	
6	Filter	1	

All the regulators are fitted with a pressure-relief valve in order to protect downstream components in case of breakage of the first stage bottle regulator itself and all can operate with air or with mixes containing an O<sub>2</sub> concentration of less than 25%.

RELIEF VALVE				
COMMERCIAL CODE	FLUID	MATERIAL	INLET CONNECTION SIZE	SET PRESSURE
239A-01-02-01-00-00	Air He/O <sub>2</sub> Mix (%O <sub>2</sub> <25)	BRASS	3/8" x 24 UNF	9 bar

OPTIONAL SPARE PARTS FOR RELIEF VALVE 239A-01-02-01-00-00

ITEM	DESCRIPTION	QUANTITY	COMMERCIAL CODE
1	Punched Pad	1	239F-01-02-00-00-00
2	O-Ring	1	
3	Spring	1	

**Compliant with Standard EN 250:2006**