



## OPERATION AND CARE MANUAL

### DURGO PRESSURE RELIEF VALVE TYPE GT-77, BRASS, WITH FPM (FLUOROCARBON RUBBER) WASHER

The Durgo pressure relief valve (PRV) type GT-77 is designed to open at the specified set pressure and ensure that the plant is not subjected to a pressure increase greater than 10%. When the pressure is reduced, the valve will return to being fully closed at the specified opening pressure minus 5%.

The PRV set pressure is fixed in accordance with customer order, and is adjusted to suit the existing installation and pressure used.

The PRV set pressure, unions and ID number are noted on the label fixed to the valve.



#### **Applications:**

Durgo pressure relief valve (PRV) type GT-77, with FPM (fluorocarbon rubber) washer, is intended for use with installations containing water or oil.

Max temperature 125°C, min temperature -30°C.

If the medium contains anything apart from pure air or water, the resistance of the sealing and valve material must be verified, to avoid compromising the sealing / durability of the valve.

If there is any uncertainty, please contact Durgo.

#### **Maintenance instruction:**

Regular function checks must be done on the PRV at least once every 3 months.

Since the valve can be hot, protective gloves must be used.

The function check is done by firmly pressing the pressure relief handle down and allowing the PRV

to blow out medium for about 2 seconds, then release the handle. If the PRV does not open during the function check, it must be exchanged as soon as possible.

If the PRV leaks after the function check, this is probably caused by particles which have got stuck between the washer and the sealing surface. Pull the handle again to clear any particles out. The seal must be checked at the same time as the function check. If the seal is broken, the valve must be exchanged. Renovation or service of the PRV must only be done by AB Durgo.

#### **Installation:**

Valves used for pressure relief during thermal expansion can be installed in any position, since the valve is designed to have its spring housing isolated from the medium.

The PRV valve outlet pipe must be terminated in such a manner that medium which blows out can be discharged without risk of personal injury or property damage.

#### **Approval:**

Durgo's PRVs are classified as class 4 valves and are CE marked in accordance with AFS 2016:1; Pressure Containing Devices (PED 2014/68/EU).

A certificate of conformance is supplied with all valves.



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