

### Pressure regulators

Pressure regulators are used to reduce the pressure of a gas from a higher input pressure (P1) to a lower output pressure (P2). Such pressure regulators are used where compressed gas from a tank system or from high-pressure cylinders has to be reduced to a certain working pressure and must guarantee a high regulation accuracy at various gas outlet rates, as well as an excellent dynamic response as the cylinder contents decrease.

#### DRV 200-060 pressure regulators for low working pressures

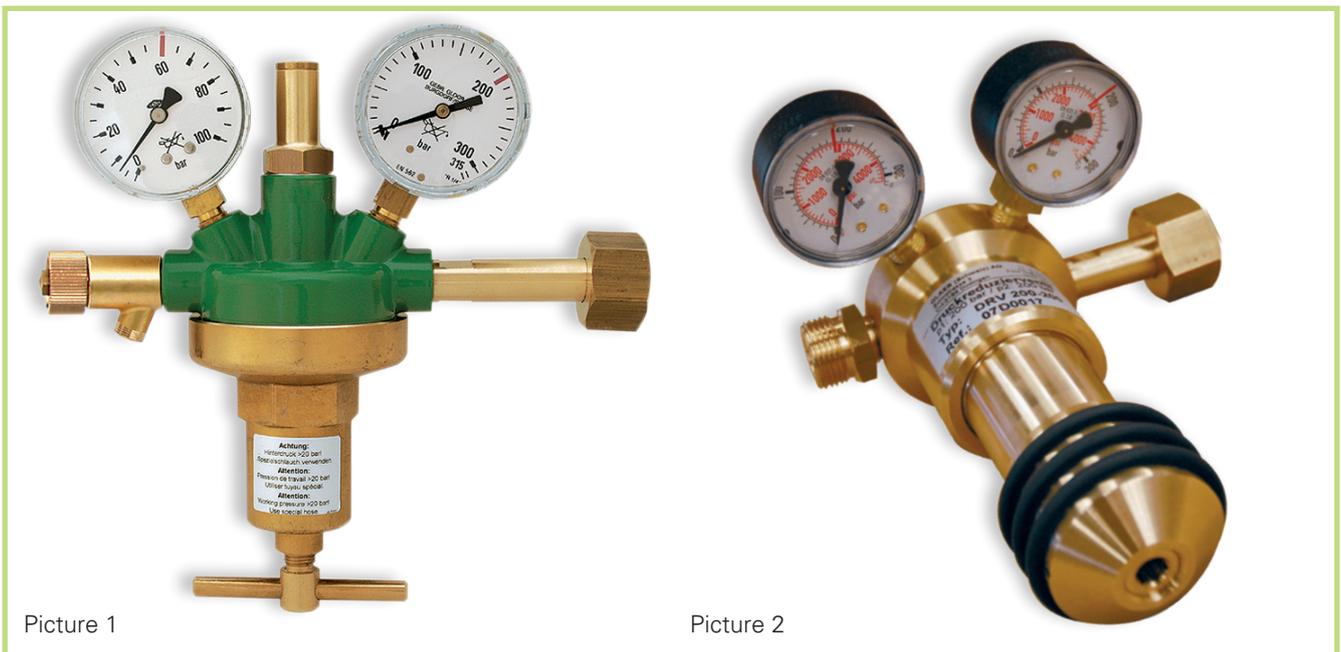
This extremely robust universal pressure regulator is fitted with a manometer (63 mm diameter) and can be used for various applications. It features a high control accuracy and an outstanding pressure constancy.

The diaphragm consists of EPDM. A chrome-nickel steel sintered filter protects the regulator from dirt and contributes to the unit is virtually free from maintenance. The ergonomic adjustment screw allows for easy and continuous pressure setting. The reinforced spring cover permits pressures up to 60 bar.

#### DRV 200-100 to 300-200 pressure regulators for high working pressures

This new range of pressure regulators was specially developed for high working pressure applications. They consist of a piston pressure reducing valve which guarantees a precise and stable setting of the secondary pressure.

The resistance of the inlet and outlet pressure chamber is tested according to EN ISO 7291. Due to the high testing pressure (540 bar) no safety valve is requested to protect the pressure regulator.



Picture 1

Picture 2

Model	Inlet pressure bar	Outlet pressure bar	Flow rate at P1 200 bar		Connection to the N2 cylinder	Outlet pressure connexion	Picture
			P2 = 20 bar	P2 = 50 bar			
DRV 200-060	200	60	61 m <sup>3</sup> /h		W24,32	G 1/4"	1
DRV 200-100	200	100	67 m <sup>3</sup> /h	387 m <sup>3</sup> /h	W24,32	W24,32	2
DRV 200-200	200	200	67 m <sup>3</sup> /h	387 m <sup>3</sup> /h	W24,32	W24,32	2
DRV 300-100	300	100	67 m <sup>3</sup> /h	387 m <sup>3</sup> /h	W30x2	W24,32	2
DRV 300-200	300	200	67 m <sup>3</sup> /h	387 m <sup>3</sup> /h	W30x2	W24,32	2