

BENCOR (Pty) Ltd.

Seated valves



Switch units (press control valves) type CR

The switch units type CR, available in three different sizes, are intended for the control of bottom and top ram presses which are driven by dual stage pumps. They consist of a 2/2-way ball seated directional valve, a ball type check valve and pressure valves.

Low pressure and high pressure circuit a joined during rapid transverse, as soon as the set pressure is achieved or exceeded the low pressure circuit is switched in idle circulation mode, whereas the high pressure circuit continues feeding the press cylinder.

An automatic pre-release ensures decompression without pressure surges. These switch units are designed for direct mounting onto our hydraulic power packs type MP and RZ.

Nomenclature: Valve combination consisting of:

- 2/2-directional seated valve
- ball type check valve
- pressure valve

Design: Individual valve for pipe connection

Actuation: Solenoid
Manual

P_{max}: LP 30 ... 60 bar
HP 400 bar

Q_{max}: LP 80 ... 160 l/min
HP 8 ... 20 l/min
A → R 160 ... 300 l/min



Basic types and general parameters

Basic type and size	Flow Q _{max} (l/min)			Oper. pressure p _{max} (bar)			Tapped ports			Application
	HP	LP	A → R	HP	LP	A and R	HP	LP	M	
CR 4M	8	80	200	400	30 ... 60	G 1	G 1/4	G 3/4	G 1/4	bottom ram press, self-returning due to its weight
CR 4H	8	80	200	400	30 ... 60	G 1	G 1/4	G 3/4	G 1/4	(min. load pressure > 2 bar)
CR 5M	20	160	300	400	30 ... 60	G 1 1/4	G 3/8	G 1	G 1/4	

Flow pattern

