

Part number:

**HYDROMA**

HYDRAULICKÉ SYSTÉMY

**HIDROMA  
SYSTEMS**

UKŁADY HYDRAULICZNE

**HYDROMA**

ГИДРАВЛИЧЕСКИЕ СИСТЕМЫ

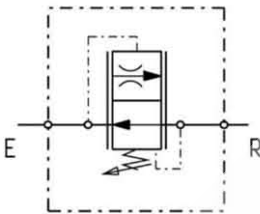
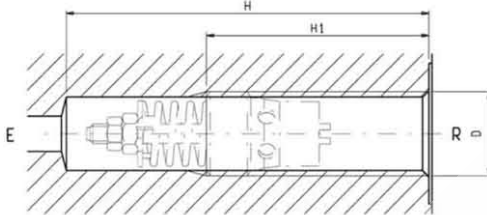
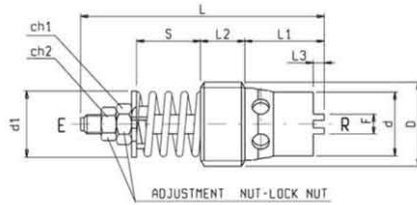
**FLOW CONTROL VALVES**

**LOWERING CONTROL COMPENSATED INSERT-TYPE**

**VCDC-H**

**VCDC-M**

**OD.22.03.02 - Y - Z**



**DESCRIPTION - OPERATION**

These valves can be used both as lowering control valves and as pressure compensated flow regulators.

In the first case they keep the lowering speed largely independent from the load, while in the second case they limit flow to the present value, which can be adjusted within regulated flow range turning the nut.

**FEATURES - RATINGS**

**Maximum Operating Pressure 300 bar**

**Rated Flow see table**

- Fluids - Temperatures - Testing Conditions - Seals : see page 7.01.04
- Filtration : 25 µm nominal or better, see page 7.01.05
- IMPORTANT** : VCDC-M ( METRIC THREAD ) are not available from stock and not included in our standard price list. Please contact our Sales Department for any information.

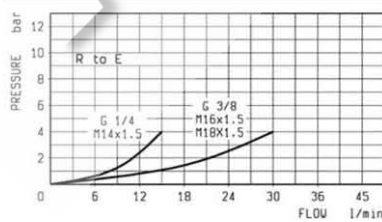
**REGULATED FLOW RANGE**

E > R l/min

Z	REGULATED FLOW RANGE			
	G 1/4 M14x1.5	G 3/8 M16x1.5 / M18x1.5	G 1/2 M20x1.5 / M22x1.5	G 3/4 M27x2
01	/	2.5 - 4.0	16 - 21	37 - 50
02	1 - 1.6	4.0 - 6.3	21 - 28	50 - 67
03	1.6 - 2.5	6.3 - 10	28 - 37	67 - 90
04	2.5 - 4.0	10 - 16	37 - 50	90 - 120
05	4.0 - 6.3	16 - 25	50 - 67	120 - 150
06	6.3 - 10	/	/	/

L2	L1	L	H1	H	d1	d	L3	F	ch1	ch2	TIGHTENING TORQUE Cartridge	WEIGHT Kg	FLOW MAX. l/min	D	Y
7	12.5	38.3	35	57	10.3	10	1.75	4	5.5	4.5	6 ± 1 Nm	0.012	10	G 1/4	09
7	13.5	43	40	63	14	11.5	2	4	7	6	8 ± 1 Nm	0.025	25	G 3/8	02
8	16	49	45	72	18.2	15	2.5	6	7	6	12 ± 2 Nm	0.038	67	G 1/2	03
10	21	60	54	85	23	20	3.5	6	7	6	15 ± 2 Nm	0.070	150	G 3/4	04
7	12.5	38.3	35	57	10.3	10	1.75	4	5.5	4.5	6 ± 1 Nm	0.012	10	M14x1.5	14
7	13.5	43	40	63	14	11.5	2	4	7	6	8 ± 1 Nm	0.025	25	M16x1.5	16
7	13.5	43	40	63	14	11.5	2	4	7	6	8 ± 1 Nm	0.025	25	M18x1.5	18
8	16	49	45	72	18.2	15	2.5	6	7	6	12 ± 2 Nm	0.038	67	M20x1.5	20
8	16	49	45	72	18.2	15	2.5	6	7	6	12 ± 2 Nm	0.038	67	M22x1.5	22
10	21	60	54	85	23	20	3.5	6	7	6	15 ± 2 Nm	0.070	150	M27x2	27

PRESSURE DROP



PRESSURE DROP

