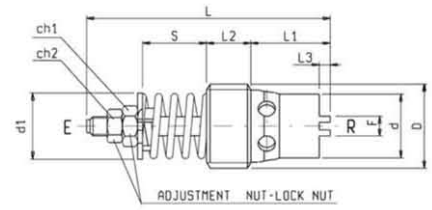
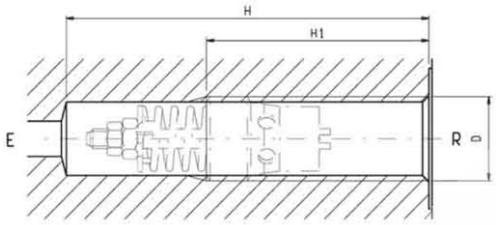
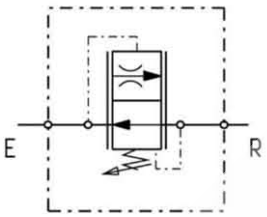
FLOW CONTROL VALVES
LOWERING CONTROL COMPENSATED INSERT-TYPE

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**

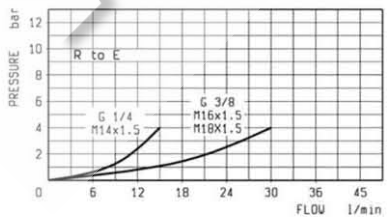
Rated Flow **see table**

- 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.

Z	REGULATED FLOW RANGE E ▷ R l/min			
	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

