FVG/FVG-RSERIES

CONTROL VALVES



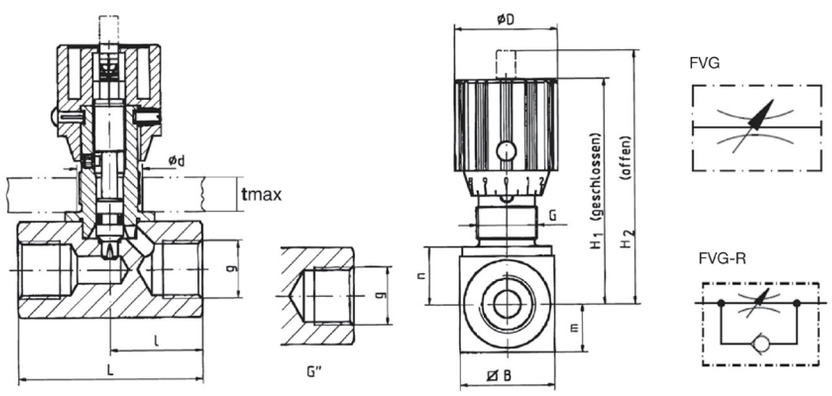
Pictured: FVG (P)

NEEDLE VALVES TYPE FVG AND FVG-R

The needle valves are for piping systems to shut-off or control the flow of liquid media (mineral oil, use of other media on request).

Suitable for panel mounting. Leakage rate according DIN 3230 part 3 - rate 2 standard, rate 1 on request.

The shut-off and control function of the FVG-R serie is only working in one direction. For the other direction, the build-in check valve leads to a free flow with a cracking pressure of 0,5 or 4,5 bar.



Female thread DIN/ISO 228

Typ	DN	PN	g	H2	H1	m	n	B	l	L	D	d	G	t_{max}
	mm	bar		mm	mm	mm	mm	mm	mm		mm	mm	mm	mm
FVG (-R)	6	350	G1/8	56	51	8	10	16	19 (26)	38 (45)	Ø 24	Ø 13	PG7	4
FVG (-R)	8	350	G1/4	71	65	12,5	14,5	25	24 (33,5)	48 (55)	Ø 29	Ø 19	PG11	7
FVG (-R)	10	350	G3/8	75	68	15	17	30	29 (41)	58 (65)	Ø 29	Ø 19	PG11	7
FVG (-R)	12	350	G1/2	92	82	17,5	21	35	34 (44)	68 (73)	Ø 38	Ø 23	PG16	7
FVG (-R)	16	350	G3/4	106	96	22,5	26	45	39 (57)	78 (88)	Ø 38	Ø 23	PG16	7
FVG (-R)	20	350	G1	134	121	25	30	50	54 (77)	108 (127)	Ø 49	Ø 38	PG29	10
FVG (-R)	25	350	G1-1/4	139	126	30	35	60	54 (93)	108 (143)	Ø 49	Ø 38	PG29	10
FVG (-R)	30	350	G1-1/2	144	131	35	40	70	54 (91)	108 (143)	Ø 49	Ø 38	PG29	10
FVG (-R)	30	350	G2	154	141	45	50	90	60 (111)	120 (165)	Ø 49	Ø 38	PG29	10

Other designs and materials on request.

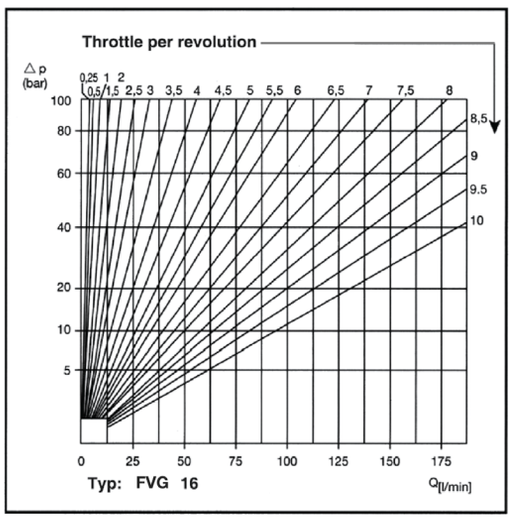
Order Example

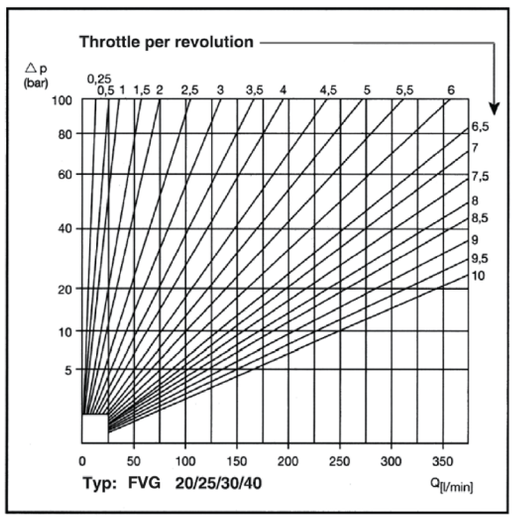
Series	Connection[2)]	Normal Size	Pressure	Material[3)]	Handle Material
FVG-R	G	1/2	PN350	CS	P = Plastic A = Aluminium

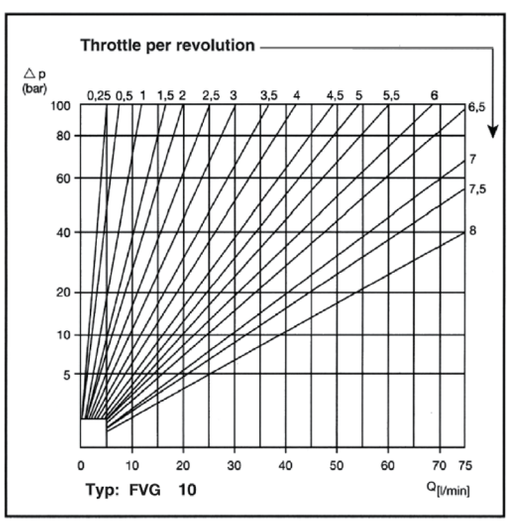
VALVE

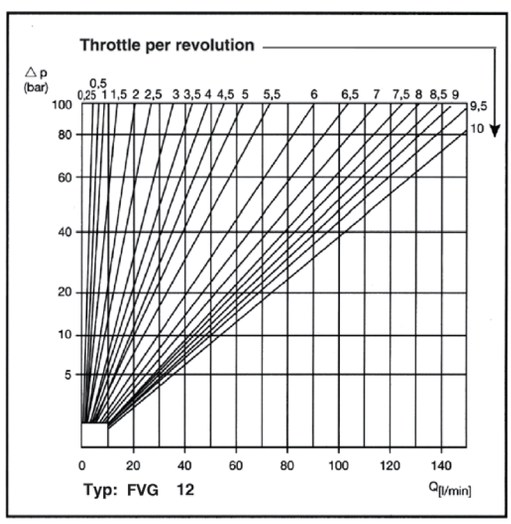
FLOW CAPACITY: HYDRAULIC OIL

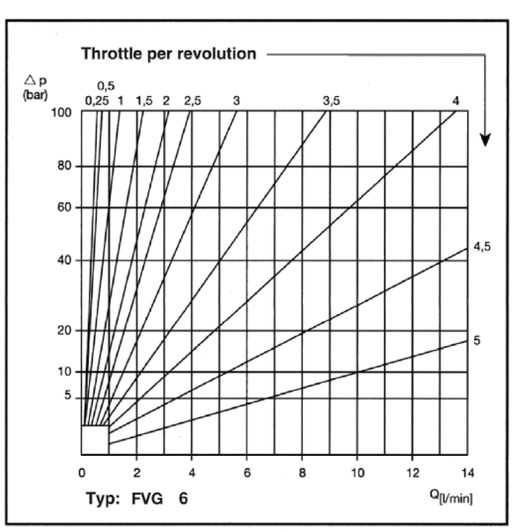
- density: 880 kg/m3
- kin. viscosity: 35 mm2/s

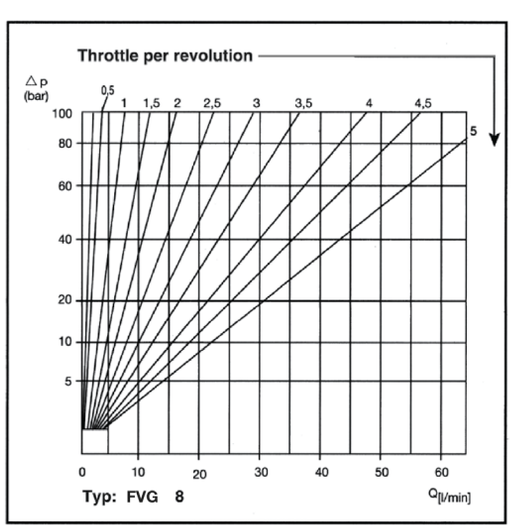










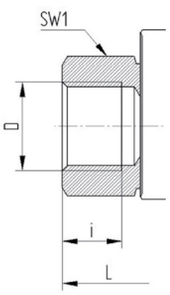


SCREW SOCKETS FOR FVG & FVG-R

Connection

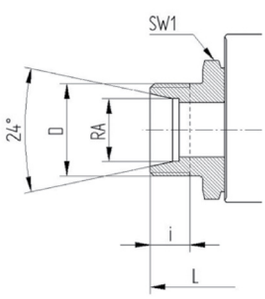
DN	LW	Scew size order code	Scew size for DIN2353	L	L10	i	SW1	Weight
mm	mm		mm	mm	mm	mm	mm	kg

BSP female thread
DIN/ISO 228
Connection Type: G



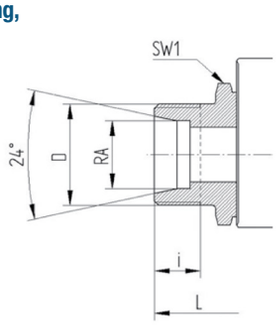
20	Ø 18	G 3/4	-	96	47	16	41	1,55
25	Ø 22	G 1	-	113	55	18	46	2,1
32	Ø 30	G 1 1/4	-	110	70	20	60	3,4
40	Ø 35	G 1 1/2	-	120	74	22	70	4,2
50	Ø 44	G 2	-	140	85	24	85	6,1

For compression fitting, light series
DIN 2353 L
Connection Type: L



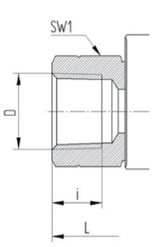
20	Ø 18	22L	M 30x2	102	47	12	41	1,6
25	Ø 22	28L	M 36x2	108	55	12	46	2,1
32	Ø 30	35L	M 45x2	128	69	13,5	60	3,2
40	Ø 35	42L	M 52x2	133	74	13,5	70	4

For compression fitting, heavy series
DIN 2353 S
Connection Type: S



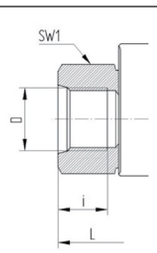
20	Ø 18	25S	M 36x2	110	47	15	41	1,6
25	Ø 22	30S	M 45x2	120	55	17	46	2,1
32	Ø 30	38S	M 52x2	140	74	19	50	3,2

NPT female thread
ANSI B 1.20.1
Connection Type: N



32	Ø 30	1 1/4 NPT	-	115	70	19,5	60	3,4
40	Ø 35	1 1/2 NPT	-	135	75	19,5	70	4,2
50	Ø 44	2 NPT	-	140	85	20	85	6,2

UN/UNF female thread
SAE J514
Connection Type: SAE



32	Ø 32	1 5/8-12 UN-2B	-	110	70	19	60	3,4
40	Ø 24	1 7/8-12 UN-2B	-	117	74	19	70	4,2
50	Ø 48	2 1/2-12 UN-2B	-	140	85	19	80	6,2

Special connections with imperial male thread, metric female or male threads, as well as bulkhead connections on request!