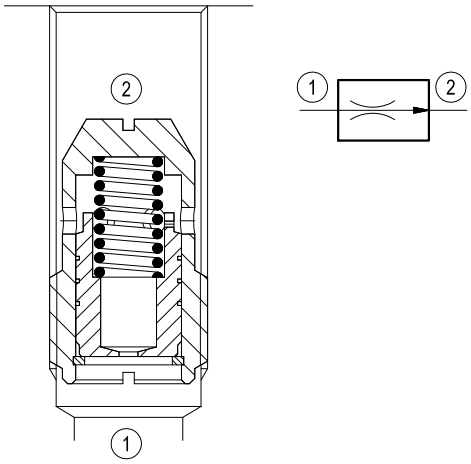
rexroth
A Bosch Company

RE 18329-75/01.19
Replaces: RE 18329-75/03.16

Insert type
Flow control, 2-way pressure compensated fixed setting

SFC1 0T.F1.01.00 - Y - Z



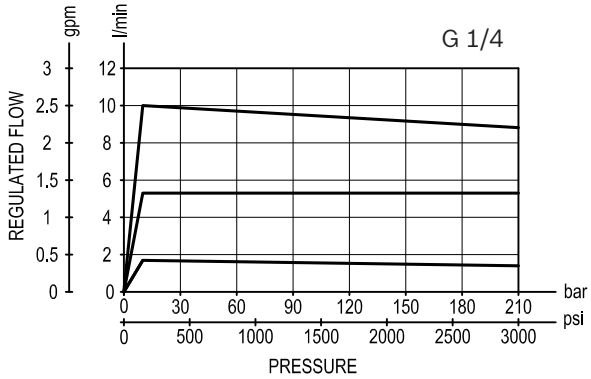
Description

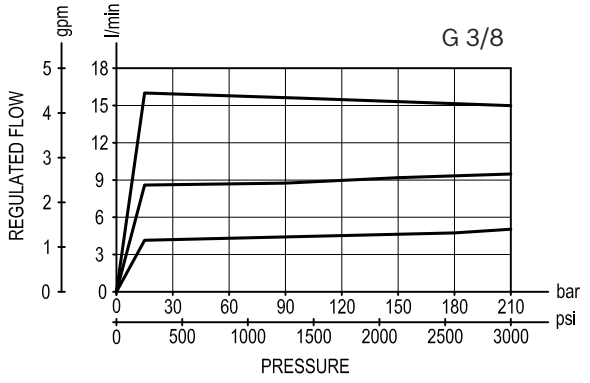
A constant flow rate, regardless of system pressures, is established from 1 to 2 while a minimum pressure differential of 145 psi exists between the two ports. The valve cannot be adjusted for variable flow output. Flow from 2 to 1 is limited by the diameter of the selected control orifice and is not pressure compensated.

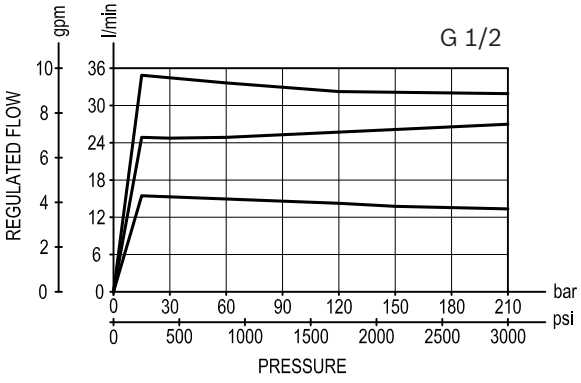
Technical data

Max. operating pressure	bar (psi)	210 (3000)
Max. flow	l/min. (gpm)	see “Regulated flow range” table
Fluid temperature range	°C (°F)	-30 to 100 (-22 to 212)
Weight	kg (lbs)	see “Dimensions” table
Special cavity		see “Dimensions”
Lines bodies and standard assemblies		Please refer to section “Hydraulic integrated circuit” or consult factory
Fluids		Mineral-based or synthetics with lubricating properties at viscosities of 10 to 500 mm^2/s (cSt)
Recommended degree of fluid contamination		Nominal value max. 10µm (NAS 8) ISO 4406 20/18/15
Installation		No restrictions
Other Technical Data		See data sheet RE 18350-50

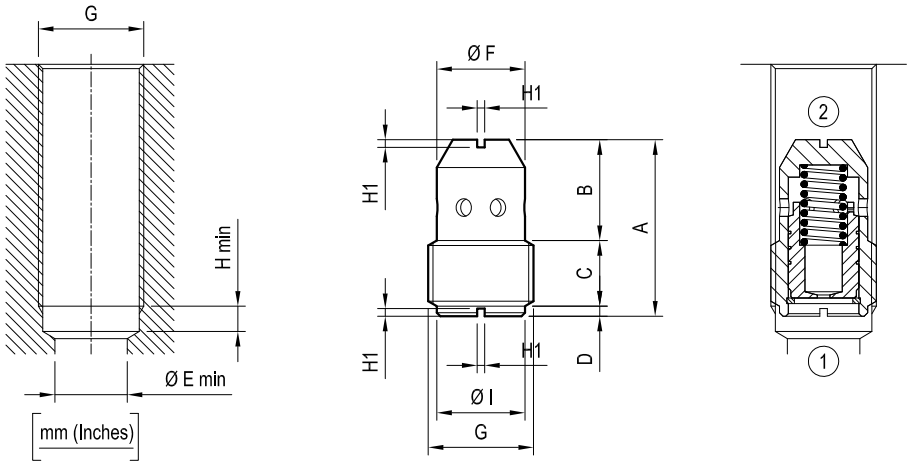
Performance







Dimensions



G *	A	B	C	D	E	F	I	H	H1	Weight kg (lbs)	Flow max. l/min. (gpm)
G 1/4	25.5 (1)	13.5 (0.53)	8.5 (0.34)	3 (0.12)	8 (0.32)	10 (0.39)	11 (0.43)	5 (0.2)	1.5 (0.6)	0.011 (0.024)	10 (3)
G 3/8	28 (1.1)	15 (0.59)	10.5 (0.41)	2 (0.08)	11 (0.43)	14 (0.55)	14.5 (0.57)	5 (0.2)	1.5 (0.6)	0.024 (0.053)	16 (4)
G 1/2	35 (1.38)	19.5 (0.77)	13 (0.52)	2 (0.08)	14 (0.55)	17.5 (0.69)	17.5 (0.69)	5 (0.2)	1.5 (0.6)	0.048 (0.106)	40 (11)

***** Thread in accordance with ISO 228-1

Ordering code

0T.F1.01.00	Y	Z	*

Insert type - Flow control, 2-way pressure compensated fixed setting

Series 0/A to L
unchanged performances and dimensions

Port sizes

= 09	G 1/4
= 02	G 3/8
= 03	G 1/2

	Regulated flow range l/min. (gpm)									
	= 01	= 02	= 03	= 04	= 05	= 06	= 07	= 08	= 09	= 10
for Y=09	1 (0.3) ± 20%	2 (0.5) ± 20%	3 (0.8) ± 20%	4 (1.1) ± 15%	5 (1.3) ± 15%	6 (1.6) ± 15%	7 (1.9) ± 15%	8 (2.1) ± 15%	9 (2.4) ± 15%	10 (2.6) ± 15%
for Y=02	4 (1.1) ± 15%	5 (1.3) ± 15%	6 (1.6) ± 15%	8 (2.1) ± 15%	10 (2.6) ± 15%	12 (3.2) ± 15%	14 (3.7) ± 10%	16 (4.2) ± 10%	-	-
for Y=03	12 (3.2) ± 15%	16 (4.2) ± 10%	20 (5.3) ± 10%	25 (6.6) ± 10%	30 (7.9) ± 10%	35 (9.3) ± 10%	40 (10.6) ± 10%	-	-	-

Note: available also as“Sleeve valve for line mounting”
See data sheets RE 18316-12 and RE 18316-13

Type	Material number
0TF101000201000	R931002311
0TF101000202000	R931002312
0TF101000203000	R931002313
0TF101000204000	R931002314
0TF101000205000	R931000009
0TF101000206000	R931002315
0TF101000207000	R931002316
0TF101000208000	R931002317
0TF101000301000	R931002318
0TF101000302000	R931002319
0TF101000303000	R931002320
0TF101000304000	R931002321
0TF101000305000	R931002322

Type	Material number
0TF101000306000	R931002063
0TF101000307000	R931001404
0TF101000901000	R931002304
0TF101000902000	R931000010
0TF101000903000	R931000272
0TF101000904000	R931002305
0TF101000905000	R931002306
0TF101000906000	R931000011
0TF101000907000	R931002307
0TF101000908000	R931002308
0TF101000909000	R931002309
0TF101000910000	R931002310

Bosch Rexroth Oil Control S.p.A.
Via Leonardo da Vinci 5
P.O. Box no. 5
41015 Nonantola – Modena, Italy
Tel. +39 059 887 611
Fax +39 059 547 848
compact-hydraulics-cv@boschrexroth.com
www.boschrexroth.com/compacthydraulics

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Subject to change.