

Counterbalance, relief compensated, poppet type

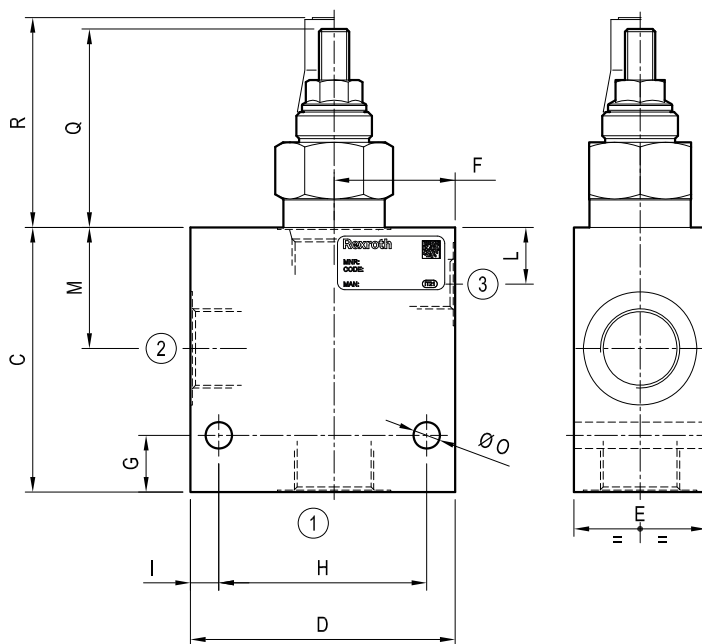
Common cavity

Cartridge style in manifold

VBSP-C

OY.03 - K - X - Y - Z - W

Dimensions



Technical data

Max flow: up to 320 l/min (85 gpm)

Max operating pressure for **steel** body: 350 bar (5000 psi)

Max operating pressure for **aluminium** body: 210 bar (3000 psi)

To order only manifold see data sheet RE 18325-85

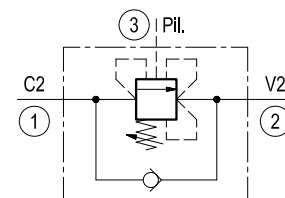
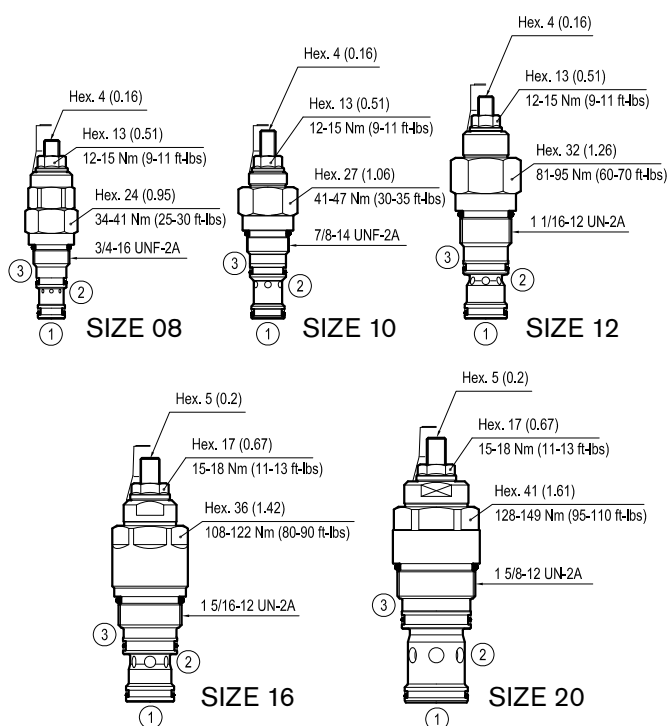


Table "Y"

Cavity	Y	PORT SIZE		Max Flow l/min (gpm)	DIMENSIONS mm (Inches)												
		1 - 2	3		C	D	E	F	G	H	I	L	M	N	O	Q	R
SIZE 08	09	G 1/4	G 1/4	30 (8)	60 (2.36)	60 (2.36)	30 (1.18)	30 (1.18)	15 (0.59)	45 (1.77)	7.5 (0.3)	13 (0.51)	27 (1.06)		7 (0.28)	55 (2.17)	64 (2.52)
	02	G 3/8	G 1/4		60 (2.36)	60 (2.36)	30 (1.18)	30 (1.18)	15 (0.59)	45 (1.77)	7.5 (0.3)	13 (0.51)	27 (1.06)		7 (0.28)		
SIZE 10	02	G 3/8	G 1/4	60 (16)	70 (2.76)	60 (2.36)	35 (1.38)	30 (1.18)	15 (0.59)	45 (1.77)	7.5 (0.30)	15 (0.59)	32 (1.26)		7 (0.28)	53 (2.09)	59 (2.32)
	03	G 1/2	G 1/4		70 (2.76)	70 (2.76)	35 (1.38)	32 (1.26)	15 (0.59)	55 (2.17)	7.5 (0.30)	15 (0.59)	32 (1.26)		7 (0.28)		
SIZE 12	03	G 1/2	G 1/4	120 (32)	80 (3.15)	75 (2.95)	40 (1.58)	35 (1.38)	15 (0.59)	55 (2.17)	10 (0.39)	24 (0.95)	42 (1.65)		7 (0.28)	61 (2.4)	67 (2.64)
	04	G 3/4	G 1/4		90 (3.54)	75 (2.95)	40 (1.58)	35 (1.38)	15 (0.59)	55 (2.17)	10 (0.39)	24 (0.95)	42 (1.65)		9 (0.35)		
SIZE 16	04	G 3/4	G 1/4	200 (53)	90 (3.54)	80 (3.15)	50 (1.97)	38 (1.50)	22 (0.87)	60 (2.36)	10 (0.39)	18.5 (0.73)	39 (1.54)		9 (0.35)	73 (2.87)	80 (3.15)
	05	G 1	G 1/4		90 (3.54)	90 (3.54)	50 (1.97)	40 (1.58)	22 (0.87)	70 (2.76)	10 (0.39)	18.5 (0.73)	39 (1.54)		9 (0.35)		
SIZE 20	05	G 1	G 1/4	320 (85)	110 (4.33)	100 (3.94)	60 (2.36)	45 (1.77)	25 (0.98)	75 (2.95)	12.5 (0.49)	21 (0.83)	51 (2.01)		11 (0.43)	65 (2.56)	72.5 (2.85)
	06	G 1 1/4	G 1/4		110 (4.33)	100 (3.94)	60 (2.36)	45 (1.77)	25 (0.98)	75 (2.95)	12.5 (0.49)	21 (0.83)	51 (2.01)		11 (0.43)		

Cartridge style



[mm (inches)]

Table “K”

			K				
CARTRIDGE CODE	04	54	04	X	56	Z	VBSP-08AA
	04	54	09	X	85	Z	VBSP-10A
	04	54	08	X	57	Z	VBSP-12A
	04	54	10	X	27	Z	VBSP-16A
	04	54	13	X	58	Z	VBSP-20A

Table “X”

X	PILOT RATIO		OPTIONS	
03	4 : 1	3:1 only for K=09 version	 Ordering code	
			K=04,09,08	11.04.23.002
			K=10,13	11.04.23.004

CARTRIDGE TECHNICAL DATA

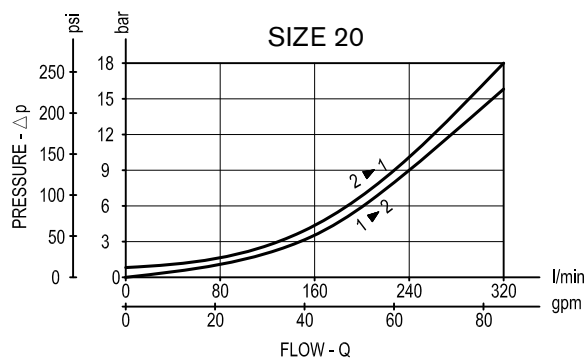
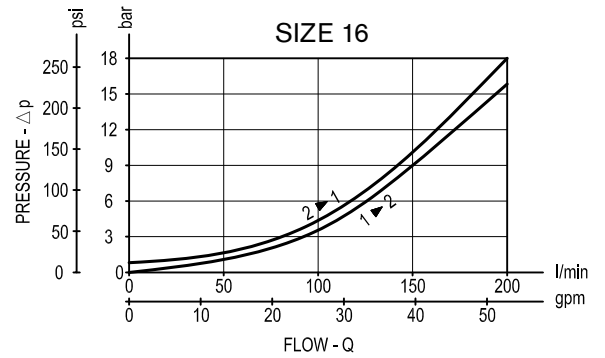
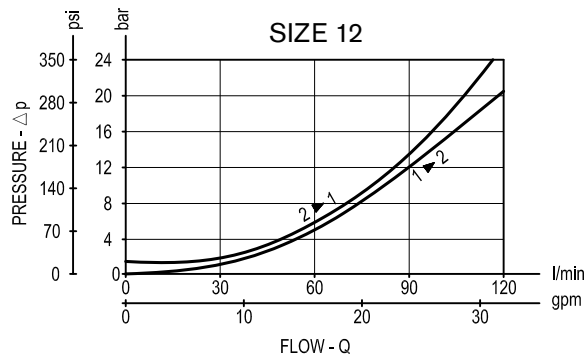
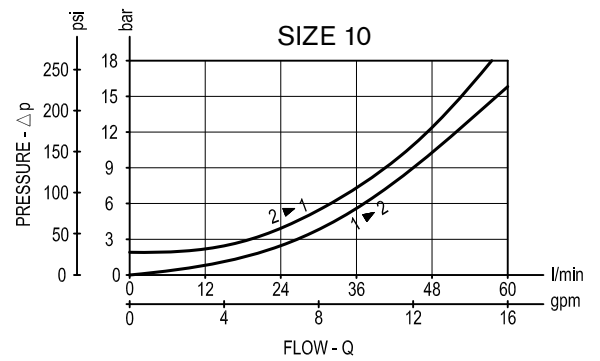
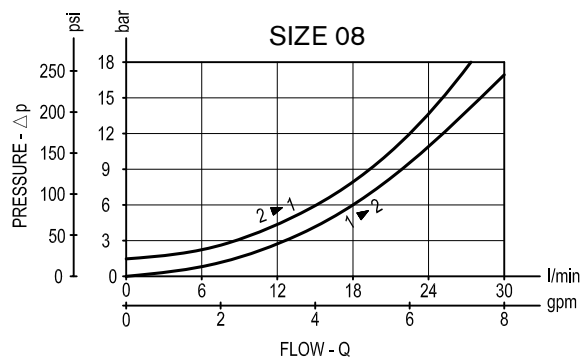
Common cavity: **CA-08A-3C / CA-10A-3C / CA-12A-3C / CA-16A-3C / CA-20A-3C**

For other details see data sheet RE 18320-06, RE 18320-07, RE 18320-08, RE 18320-09 and RE 18320-10

Table “Z”

[illegible]

Performance graphs



Ordering code

OY.03	K	X	Y	Z	W
Manifold with counterbalance, relief compensated, poppet type					Manifold material
					= 00 Aluminium manifold
					= S0 Steel manifold
Cartridge style - Common cavity (see table K on page 2)					Settings - Springs (see table Z on page 2)
Cartridge style - Pilot ratio (see table X on page 2)					Manifold style - Dimensions and port sizes (see table Y on page 1)

Preferred types (readily available)

Type	Material number	Type	Material number
OY0304030220S0	R934001351		
OY0304030235S0	R934001356		
OY0309030320S0	R934001363		
OY0309030335S0	R934001367		
OY0308030420S0	R934001368		
OY0308030435S0	R934001396		
OY0310030520S0	R934001399		
OY0310030535S0	R934001398		
OY0313030620S0	R934001400		
OY0313030635S0	R934001401		

Further types available by request