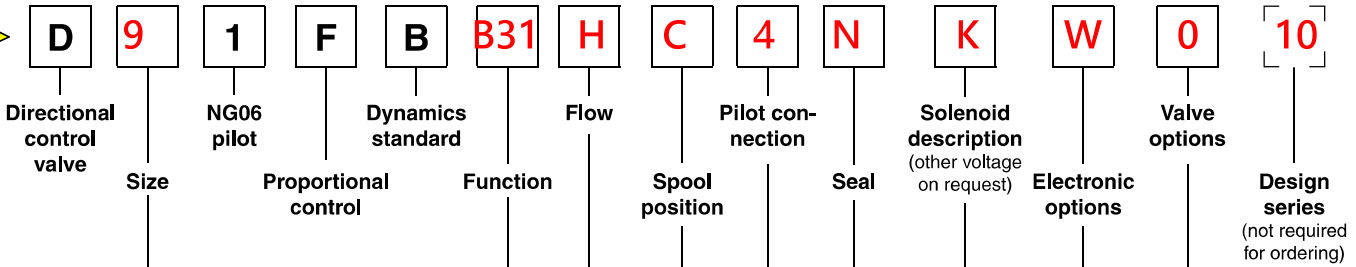


D*1FB



3

Code	Nominal size
3	NG10 / CETOP 05
4	NG16 / CETOP 07
9 ¹⁾	NG25 / CETOP 08
11	NG32 / CETOP 10

Standard		NEW: Regenerative function ²⁾		NEW: Hybrid function ^{2) 3)}	
Code	Spool type	Code	Spool type	Code	Spool type
Overlap					
E01					
E02					
B31	$Q_B = Q_A/2$ 	R31		Z31	
B32	$Q_B = Q_A/2$ 	R32		Z32	

Code	Flow [l/min] at $\Delta p = 5$ bar per metering edge			
	D31	D41	D91	D111
B	-	100 ^{4) 5)}	-	-
C	75 ⁵⁾	130 ^{4) 5)}	-	-
D	90 ⁵⁾	-	-	-
E	120	-	250 ^{4) 5)}	-
F	-	200	-	-
H	-	-	400	-
L	-	-	-	1000

Code	Valve options
0	Standard for spool type B, E, R
B ^{9) 10) 11)}	Monitor switch
L ⁸⁾	Hybrid valve 24 V normally closed for spool type Z

Code	Electronic options
W ⁶⁾	EN 175301-803
J ^{6) 7)}	DT04-2P "Deutsch"

Code	Solenoid voltage
J	24 V/1,1A
K	12 V/2,5A

Code	Seal
N	NBR
V	FPM

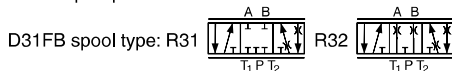
Code	Inlet	Drain
1	Internal	External
2	External	External
4	Internal	Internal
5	External	Internal

Code	Design
C	
E ⁵⁾	
K ⁵⁾	

Short delivery time for all variations

¹⁾ With enlarged connections $\varnothing 32$ mm.

²⁾ For regenerative and hybrid function at D31FB (NG10) please refer solutions with sandwich- and adaptor plates "A10-1664 / A10-1665L / H10-1662 / H10-1666L" in chapter 12.



³⁾ Not for D31FB.

⁴⁾ Not for spool type B31 und B32.

⁵⁾ Not for regenerative and hybrid function.

⁶⁾ Please order plugs separately. See accessories.

⁷⁾ Not for hybrid function.

⁸⁾ See page "regenerative and hybrid function" (not for D31FB).

⁹⁾ Not for D111FBZ*.

¹⁰⁾ Monitor switch for hybrid valves: code 8 includes options of code L (24 V normally closed).

¹¹⁾ Please order female connector M12x1 separately (see accessories , female connector M12x1 (order no.: 5004109).

Characteristics

The pilot operated proportional directional valves D*1FB are available in 4 sizes:

D31FB - NG10 (CETOP 05)

D41FB - NG16 (CETOP 07)

D91FB - NG25 (CETOP 08)

D111FB - NG32 (CETOP 10)

The valves are available with and without onboard electronics (OBE).

D*1FB OBE

The digital onboard electronics is situated in a robust metal housing, which allows the usage under rough environmental conditions.

The nominal values are factory set. The cable connection to a serial RS232 interface is available as accessory.

D*1FB for external electronics

The parameters can be saved, changed and duplicated in combination with the digital power amplifier PWD00A-400.

The valve parameters can be edited with the common ProPxD software for both versions.

The D*1FB valves work with barometric feedback of the main stage to the pressure reducing pilot valve. The pilot control pressure of 25 bar allows high flow rates at maximum stability.

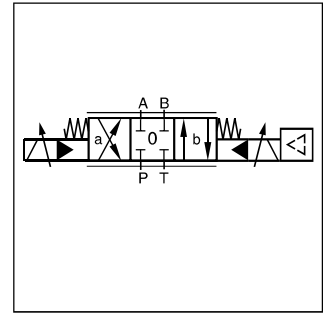
The innovative integrated regenerative function into the A-line (optional) allows energy saving circuits for differential cylinders. The hybrid version can be switched between regenerative mode and standard mode at any time.

Valves with explosion proof solenoids Ex e mb II see catalogue HY11-3343.

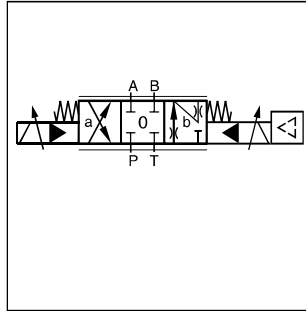
Download: www.parker.com/euro_hcd - see "Literature"



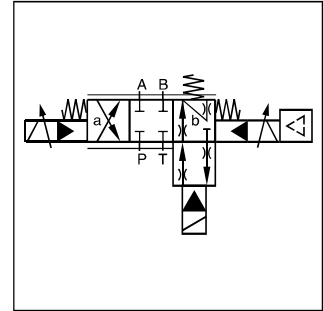
D91FB OBE



Standard D*1FB OBE



A-regeneration D*1FBR OBE

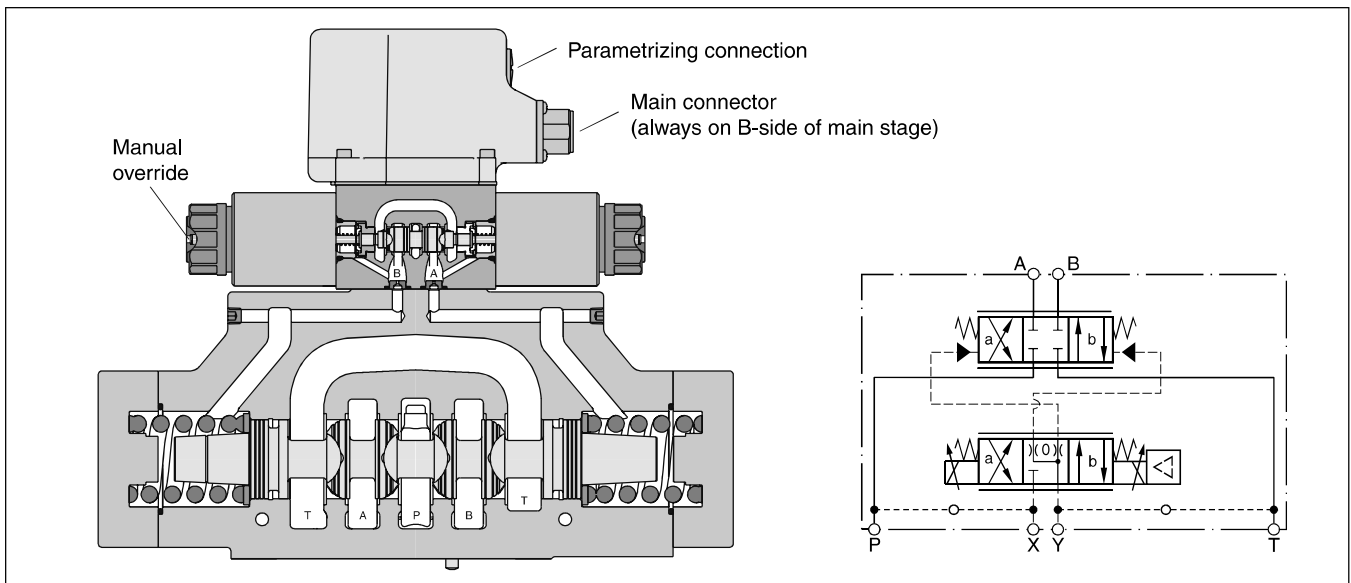


Hybrid D*1FBZ OBE

Technical Features

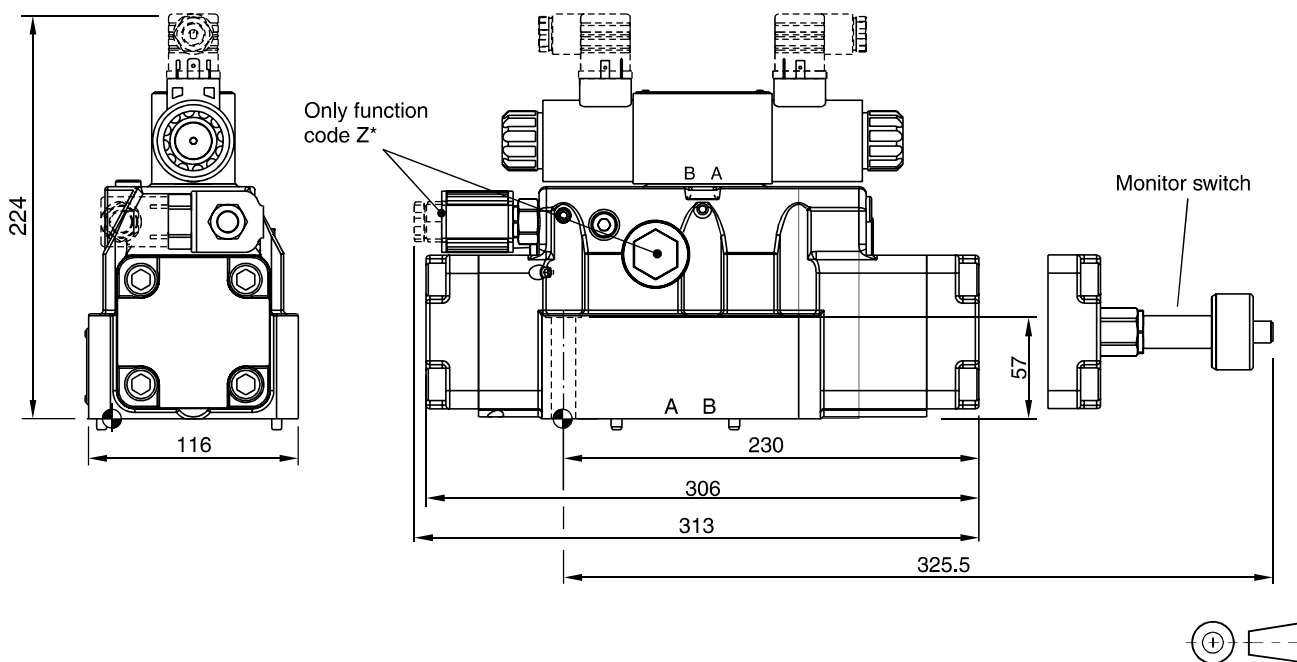
- Progressive flow characteristics for sensitive adjustment of flow rate
- High flow capacity
- Digital onboard electronics optional
- Centre position monitoring optional
- Energy saving A-regeneration optional
- Switchable hybrid version optional


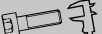


D91FB OBE



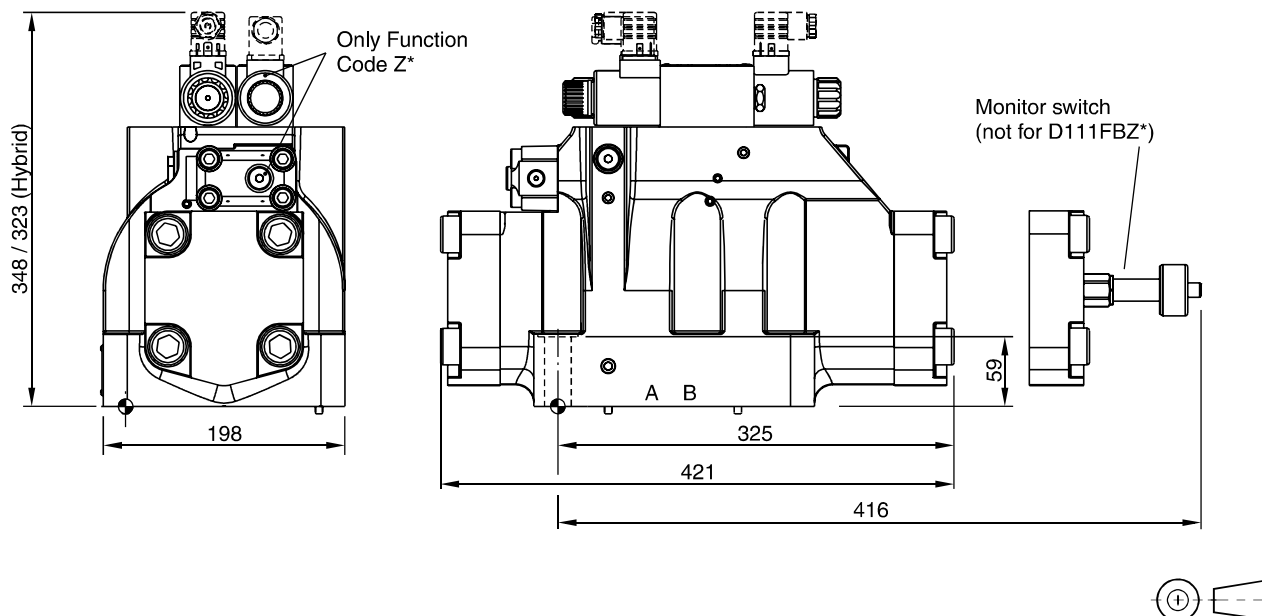
Dimensions





D91FB



Surface finish	 Kit	 Kit	 Kit	 Kit
$\sqrt{R_{max}6.3}$ $\square 0.01/100$	BK360	6x M12x75 ISO 4762-12.9	108 Nm ±15 %	NBR: SK-D91FB FPM: SK-D91FB-V

D111FB



Surface finish	 Kit	 Kit	 Kit	 Kit
$\sqrt{R_{max}6.3}$ $\square 0.01/100$	BK386	6x M20x90 ISO 4762-12.9	517 Nm ±15 %	NBR: SK-D111FB FPM: SK-D111FB-V