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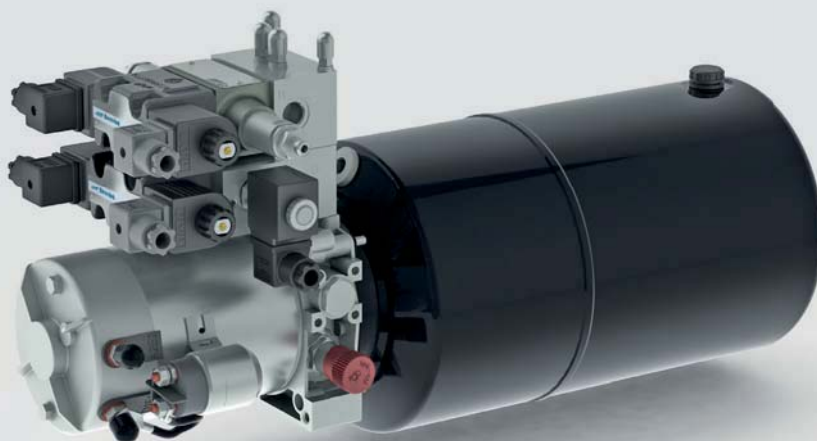
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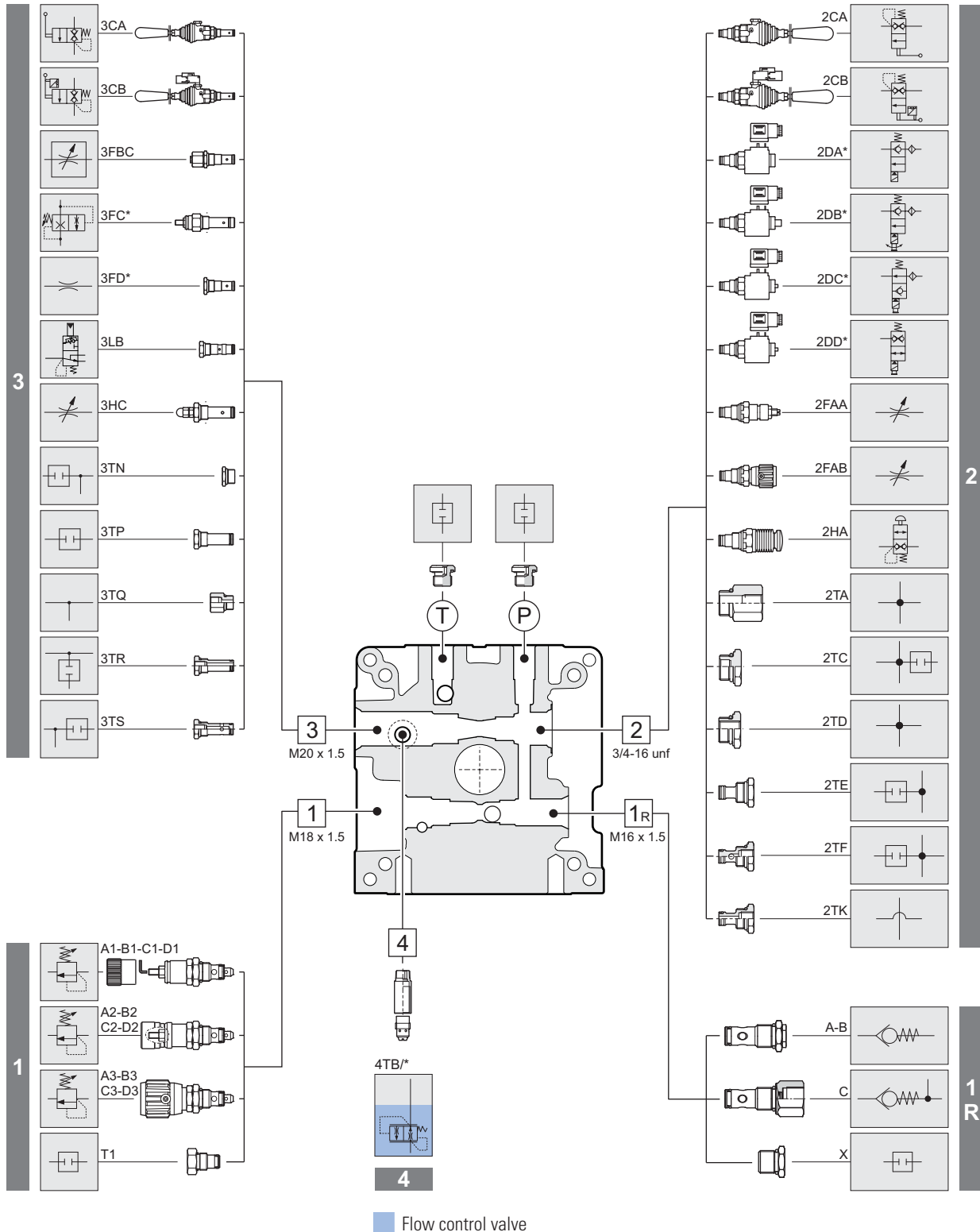
Motion Systems

HYDRAULIC POWER UNITS MCA, MCB



Power pack endhead configuration

MCA

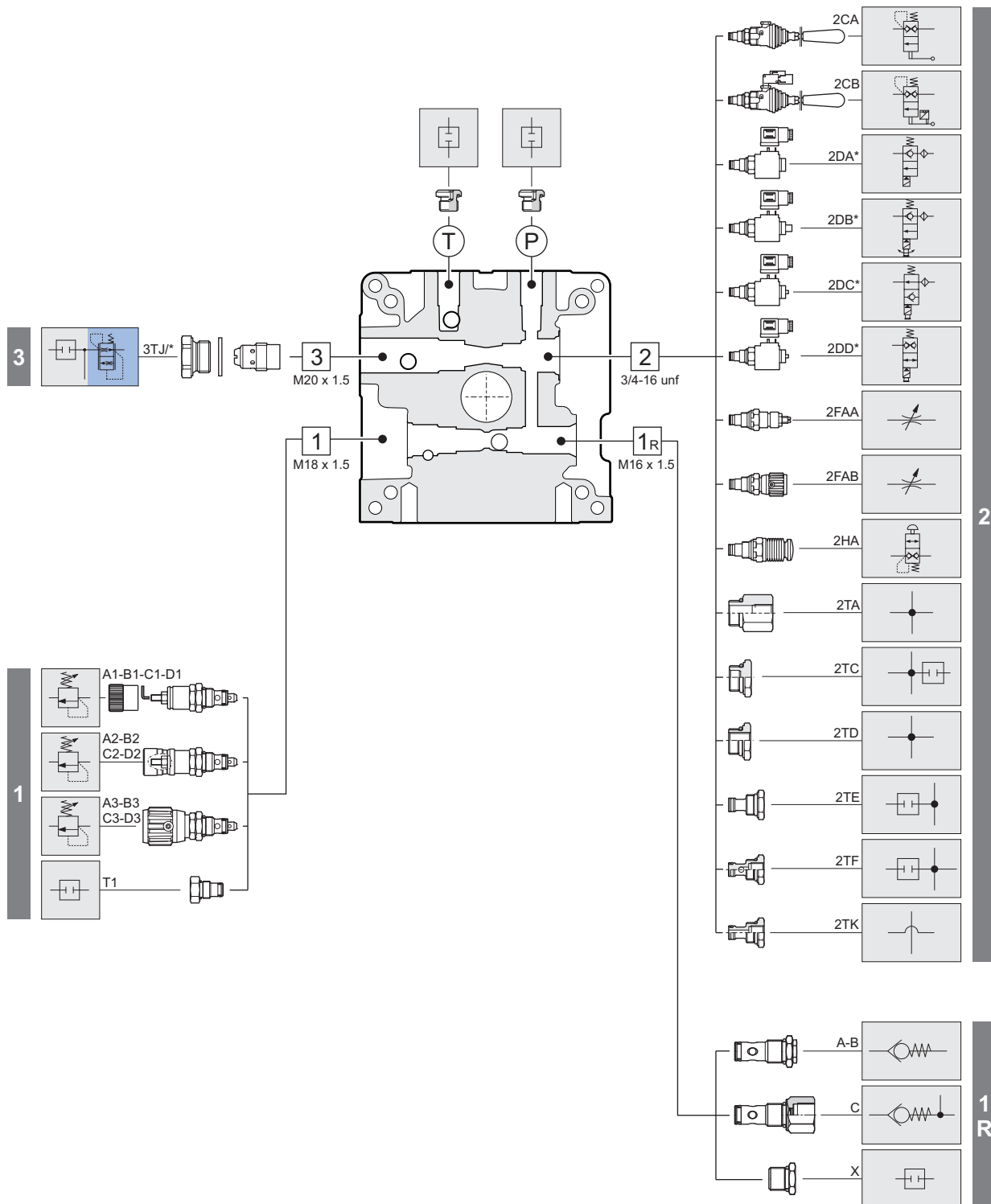


The possible configurations of the MC power pack are determined by the body machining.

MCA flange allows the mounting of controls and flow regulators in the **cavity 3** and fixed setting flow control valve on **cavity 4**.

Power pack endhead configuration

MCB



The possible configurations of the MC power pack are determined by the body machining.
MCA flange allows the mounting of controls and flow regulators fixed setting in the **cavity 3**.

Endhead overall dimensions

Cavities on endhead:

Cavity	Thread	Endhead type	
		MCA	MCB
P T	Ports	G1/4"	• (1)
		G3/8"	•
		7/16" 20 UNF	•
		9/16" 18 UNF	•
1	Peripheral	M18 x 1.5	•
1R	Peripheral	M16 x 1.5	•
2	Peripheral	3/4" 16 UNF	•
3	Peripheral	M20 x 1.5	• (2)
4	Primary return	G3/8"	•
5	Secondary return	Ø 14 not thread	•
S	Press. relief valve return	Ø 12,5 not thread	•

1) blocks interface

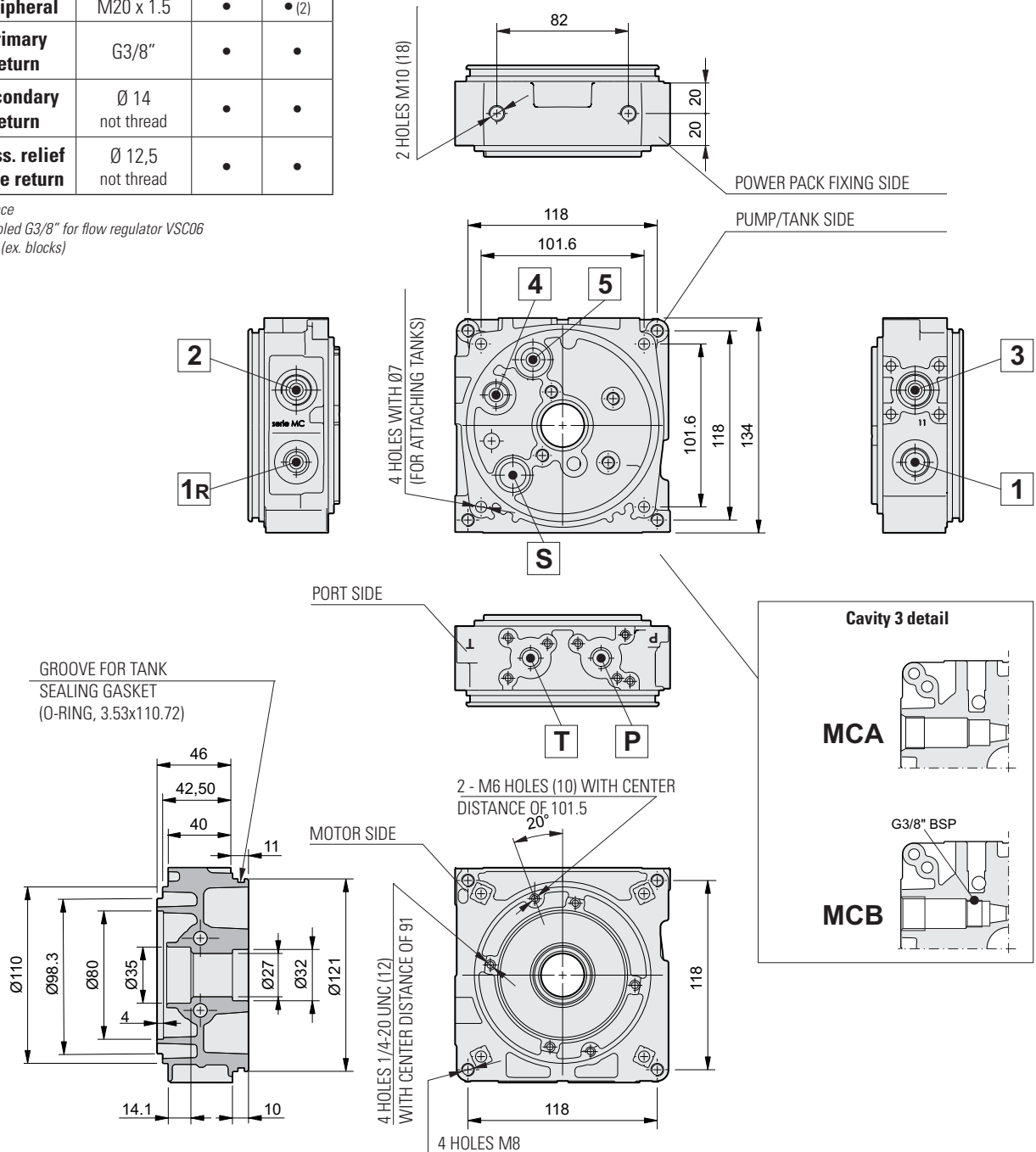
2) end cavity tooled G3/8" for flow regulator VSC06

3) return from T (ex. blocks)

The number of cavities tooled identify the endhead type:

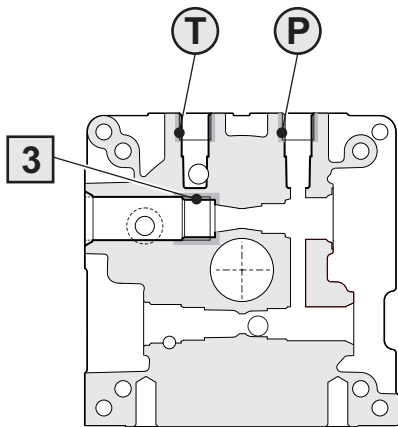
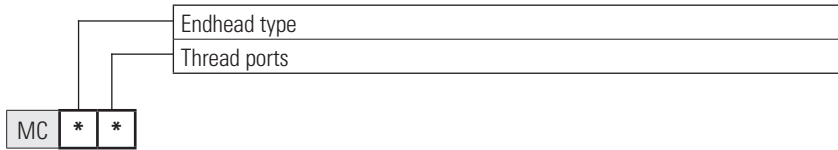
There are three types of cavities:

- **Peripheral cavities**, which can be accessed externally
- **Return cavities**, inside of the tank.
- **Ports**



On the endhead are highlighted (P-T) ports. In the drawing are shown the common dimensions.

Cavity		Thread	Drawing
1	Peripheral	M18 x 1.5	
1R	Peripheral	M16 x 1.5	
2	Peripheral	3/4 16 UNF	
3 MCA	Peripheral	M20 x 1.5	
3 MCB	Peripheral	M20 x 1.5	



The machining of the **cavity 3** and the **P-T** ports define the body type.

* Endhead type

*	Description
A	For manual controls, flow regulators, logic valves on cavity 3 (Old commercial description MC)
B	For flow regulator VSC06 (3/8" BSP) on cavity 3 (Old commercial description MS)

* Thread ports P-T

*	Ports thread				Blocks interface
	G1/4"	G3/8"	9/16" 18 UNF	7/16" 20 UNF	
0	YES				YES
1		YES			NO
2			YES		NO
3				YES	NO

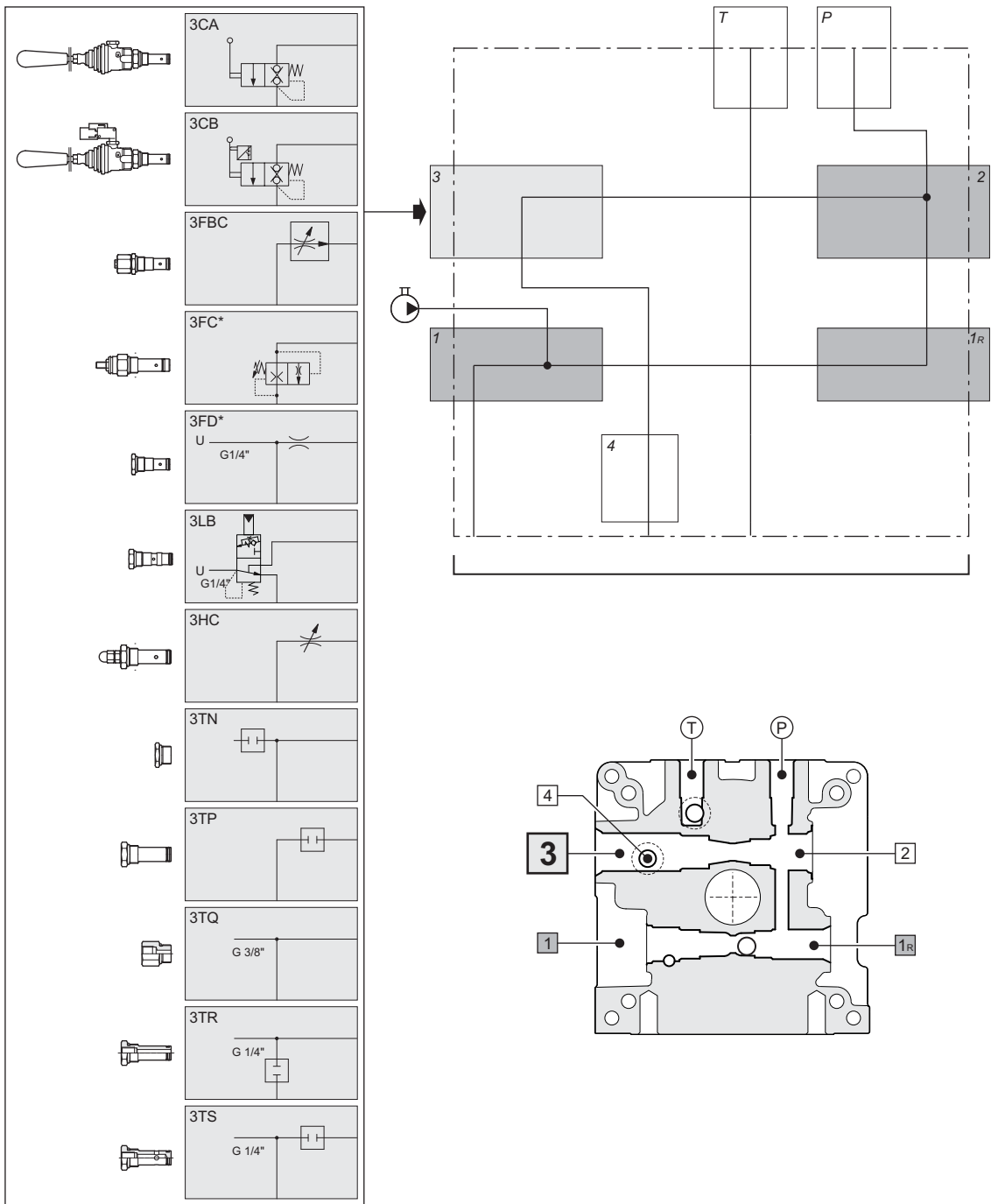
	Endhead codes			
	G1/4"	G3/8"	7/16" 20 UNF	9/16" 18 UNF
MCA	71013000.000	71013001.000	—	71013022.000
MCB	71013003.000	71013005.000	71013007.000	—

Sect. II - MCA Cavity 3

												Cavity
												Type
												Features

Components only for MCA

MC	A	*	*	*	(...)	*	*	*	*	*	*	*
----	---	---	---	---	-------	---	---	---	---	---	---	---



3 C * *Lever operated valve*

*	Description	Code	Symbol	Drawing
A	Without microswitch	CMT044L0001		
B	With microswitch	CMT044M0001		

3 FB * *Adjustable unidirectional flow control valve compensated*

*	Description	Setting	Code	Symbol	Drawing
C	Screw adjustment	0.5 ÷ 22 l/min	21000020.000		

3 FC * *Adjustable flow control valve compensated (type VRFE)*

*	Description	Setting	Code	Symbol	Drawing
A	Screw adjustment	2 ÷ 3,5 l/min	20019800		
B		5 ÷ 7,5 l/min	20019900		
C		8,5 ÷ 13,5 l/min	20020000		

3 FD * *Flow control valve*

*	Description	Ø hole	Code	Symbol	Drawing
A	With G 1/4"	0,7 mm	20020300		
B		0,9 mm	20017500		
C		1 mm	20014400		

3 LB * *Logic valve with chek valve*

*	Description	Code	Symbol	Drawing
A	Out G 1/4"	20024100		

3 H * *Flow control valve not compensated*

*	Description	Code	Symbol	Drawing
C	Screw adjustment	20003900		

Sect. II - MCA Cavity 3



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Motion Systems

3 T *

Plugs and fittings

*	Description	Code	Symbol	Drawing
N	Plug	20002200		
P	Long plug	20001100		
Q	Fitting G3/8"	20022800		
R	Long fitting G1/4"	20007900		
S	Return line fitting G1/4"	20001400		

II

MCA

Sect. II - MCB Cavity 3

Cavity

Type

Features

Flow control valves

MC

B

*

*

*

(...)

*

*

*

*

*

*

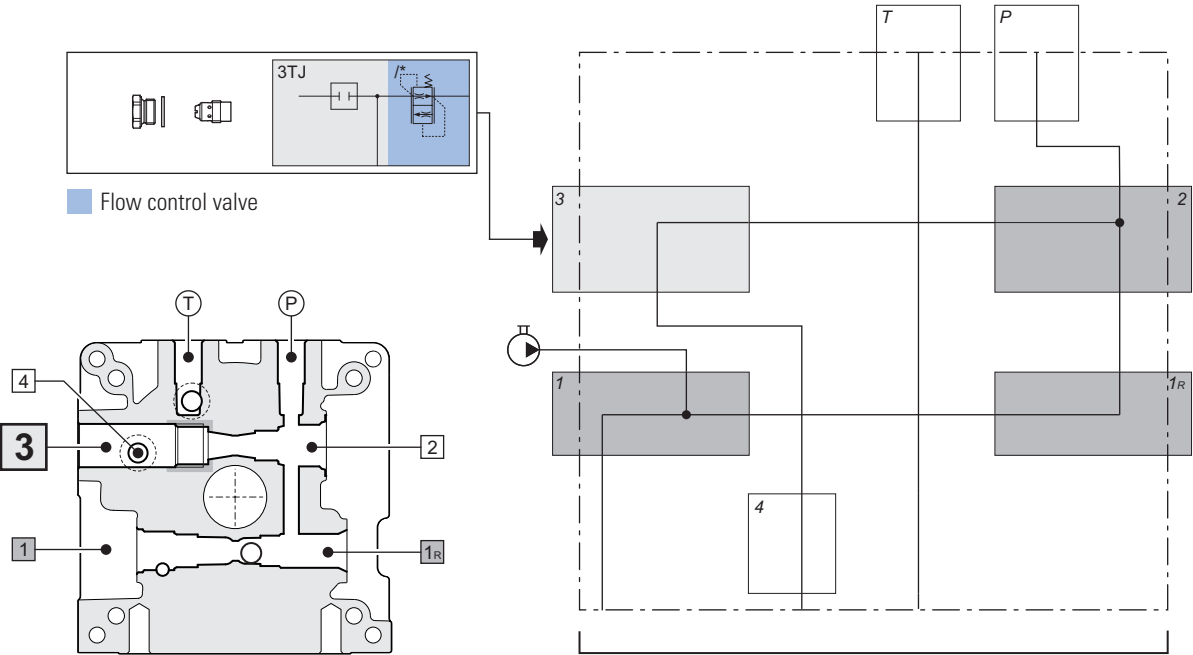
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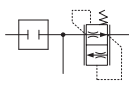
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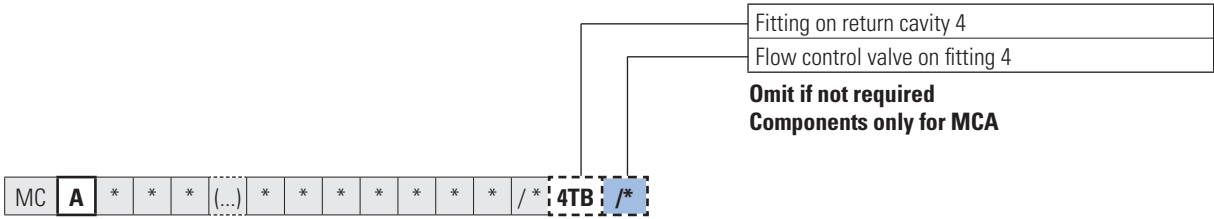
Components only for MCB

II MCB

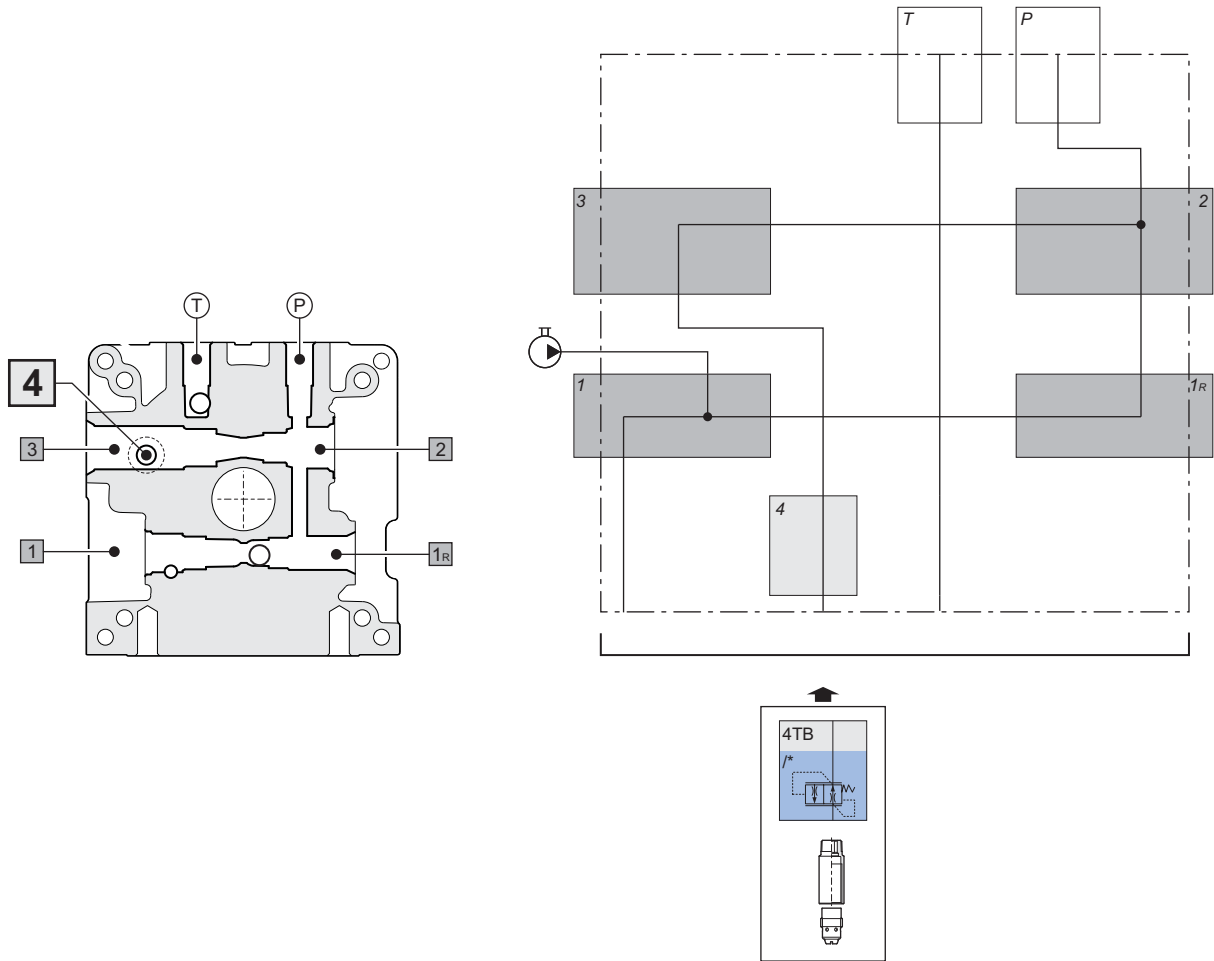


3 TJ /* Plug with flow control valve

/*	Flow	Code (flow control valve)	Code (kit plug + washer)	Simbol	Drawing
/A	0.7 l/min	VSC06100002	17010085		
/B	1.1 l/min	VSC06120002			
/C	2.1 l/min	VSC06130002			
/E	3.2 l/min	VSC06150002			
/G	4.7 l/min	VSC06190002			
/K	6.3 l/min	VSC06220002			
/N	7.5 l/min	VSC06240002			
/Q	10.0 l/min	VSC06280002			
/U	13.2 l/min	VSC06330002			
/V	15.7 l/min	VSC06350002			



Componenti solo per MCA



Any fitting and flow control valve on cavity 4

4 TB /* *Fitting and flow control valve*

/*	Flow	Code (flow control valve)	Code (fitting for flow control valve)	Simbol	Drawing
/A	0.7 l/min	VSC06100002	M67250053		
/B	1.1 l/min	VSC06120002			
/C	2.1 l/min	VSC06130002			
/E	3.2 l/min	VSC06150002			
/G	4.7 l/min	VSC06190002			
/K	6.3 l/min	VSC06220002			
/N	7.5 l/min	VSC06240002			
/Q	10.0 l/min	VSC06280002			
/U	13.2 l/min	VSC06330002			
/V	15.7 l/min	VSC06350002			

/*	Flow	Code (flow control valve)	Code (fitting for flow control valve)	Simbol	Drawing
/A	0.7 l/min	VSC06100002	M67250053		
/B	1.1 l/min	VSC06120002			
/C	2.1 l/min	VSC06130002			
/E	3.2 l/min	VSC06150002			
/G	4.7 l/min	VSC06190002			
/K	6.3 l/min	VSC06220002			
/N	7.5 l/min	VSC06240002			
/Q	10.0 l/min	VSC06280002			
/U	13.2 l/min	VSC06330002			
/V	15.7 l/min	VSC06350002			

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