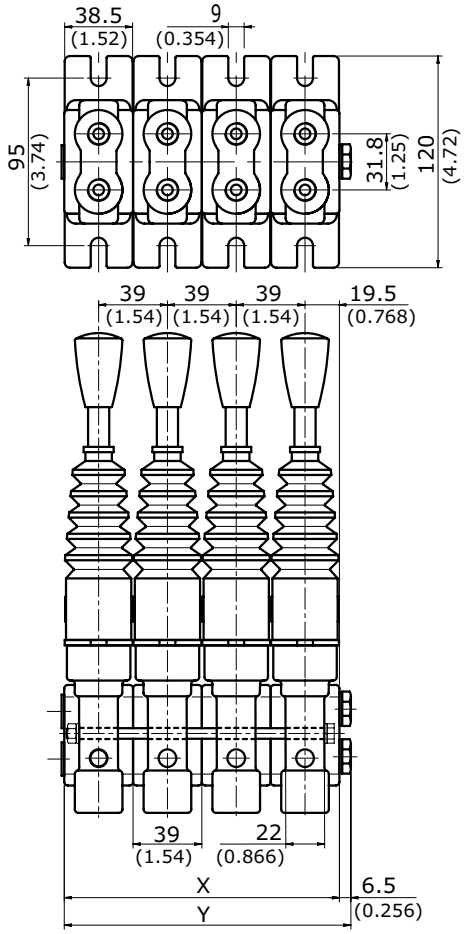
RCM STACKABLE SINGLE AXIS LEVER REMOTE CONTROL

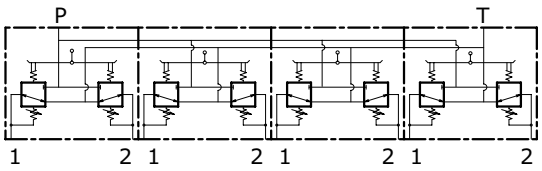
RCM lever control belongs to the wide range of hydraulic remote controls. Low operating efforts, low energy consumption and low maintenance make these hydraulic remote controls RCM ideal for piloting remote control directional valves, variable displacement pumps and motors, auxiliary valves, frictions and hydraulic brakes. Each hydraulic remote control is assembled with N.2 tie rod kits which include a tie rod, two nuts and two washers. It can be assemble up to 12 working sections.

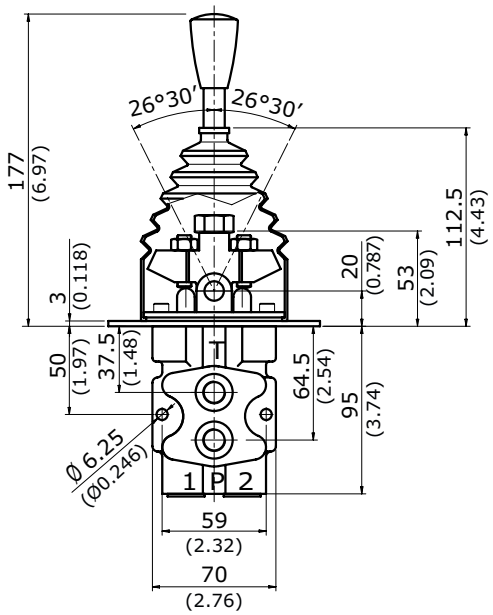
TECHNICAL SPECIFICATIONS	
Working section number:	**1 - 12**
Max pressure:	**60 bar (870 psi)**
Nominal flow rating:	**from 5 to 20 l/min (from 1.32 to 5.28 US gpm)**
Weight RCM/1:	**1.5 Kg (3.3 lb)**
Tie rod clamping torque:	**14 Nm (10.3 lbft)**
APPLICATIONS	
Mini Steer Loaders, Backhoe Loaders, Tractors	

DIMENSIONS



HYDRAULIC SCHEME





TYPE	/1	/2	/3	/4	/5	/6	/7	/8	/9	/10	/11	/12
X mm (in)	39 (1.54)	78 (3.07)	117 (4.61)	156 (6.14)	195 (7.68)	234 (9.21)	273 (10.75)	312 (12.28)	351 (13.82)	390 (16.35)	429 (16.89)	468 (18.43)
Y mm (in)	45.5 (1.79)	84.4 (3.32)	123.5 (4.86)	162.5 (6.40)	201.5 (7.93)	240.5 (9.47)	279.5 (11.00)	318.5 (12.54)	357.5 (14.07)	396.5 (15.61)	435.5 (17.15)	474.5 (18.68)
Weights kg (lb)	1.5 (3.3)	3 (6.6)	4.5 (9.9)	6 (13.2)	7.5 (16.5)	9 (19.8)	10.5 (23.1)	12 (26.5)	13.5 (29.8)	15 (33)	16.5 (36.4)	18 (39.7)

STACKABLE SINGLE AXIS LEVER REMOTE CONTROL **RCM**

ORDER EXAMPLE = RCM/1/ 01 - A01 MA - M WE95 - RAG02

RCM product type
/1 working section number

1 CONTROL CLASSIFICATION:
01 control type

2 METERING CURVE:
A01 curve type

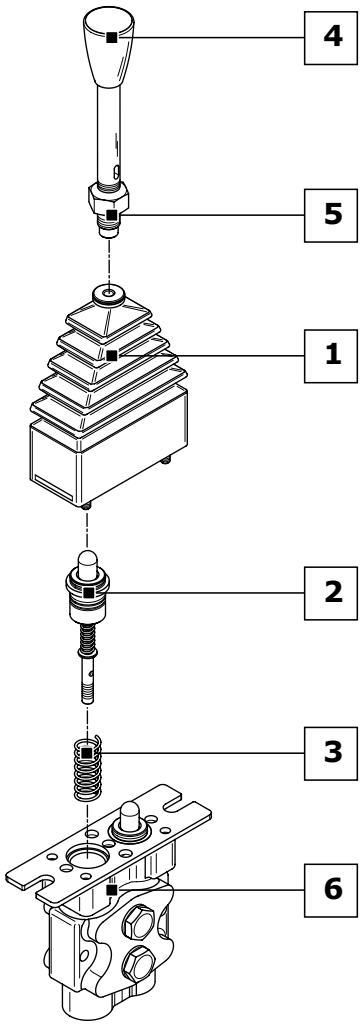
3 RETURN SPRING:
MA spring return type

4 HANDLE CLASSIFICATION:
M handle type

5 LEVER ROD CLASSIFICATION:
WE lever rod type
95 lever rod length

6 BODY ARRANGEMENT:
RA body specification
G02 body thread

Ordering row 2 and 3, must be repeated for each port
complete sample: **RCM/1/01-A01MA-A01MA-MWE95-RAG02**

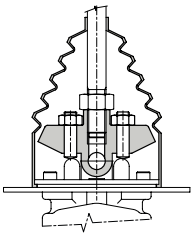
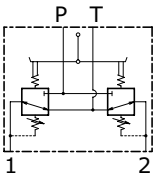
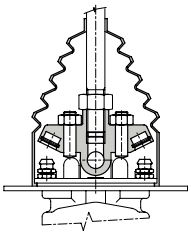
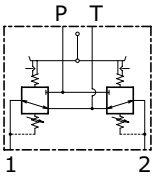
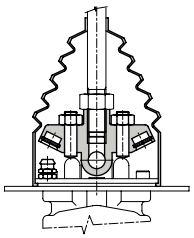
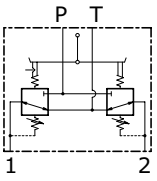
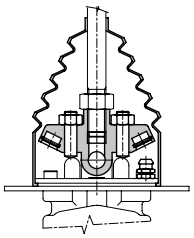
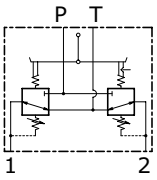
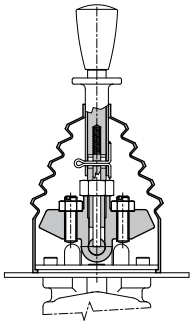
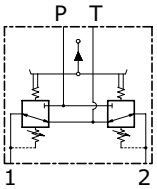
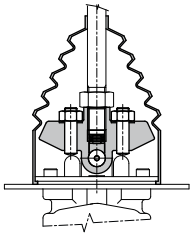
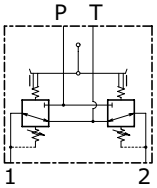


1	**CONTROL CLASSIFICATION:** (page 22)
01	Spring return in neutral position
02	Spring return in neutral pos. and mechanical detent in pos. 1-2
03	Spring return in neutral pos. and mechanical detent in pos. 1
04	Spring return in neutral pos. and mechanical detent in pos. 2
2	**METERING CURVE:** (page 70)
A01	Linear metering curve with step
B01	Linear metering curve without step
C01	Broken line metering curve with step
D01	Broken line metering curve without step
3	**RETURN SPRING:** (page 78)
MA	Preload 25 N (5.6 lbf) - End stroke load 48 N (10.8 lbf)
MB	Preload 14 N (3.1 lbf)- End stroke load 27 N (6.1 lbf)
MC	Preload 73 N (16.4 lbf) - End stroke load 135 N (30.3 lbf)
MD	Preload 89 N (20.0 lbf)- End stroke load 169 N (38.0 lbf)
4	**HANDLE CLASSIFICATION:** (page 80)
A	Without micro-switch
B	With micro-switch to close
D	With dual micro-switch
M	Standard handle
5	**LEVER ROD CLASSIFICATION:** (page 26)
WE95	Standard lever for "M" handle (95 mm)
WE165	Standard lever for "M" handle (165 mm)
6	**BODY ARRANGEMENT:** (page 27)
RAG02	Standard Body (G 1/4 ports)
RAU02	Standard Body (9/16"-18 UNF ports)

RCM STACKABLE SINGLE AXIS LEVER REMOTE CONTROL

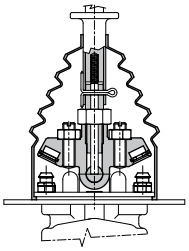
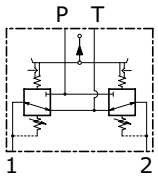
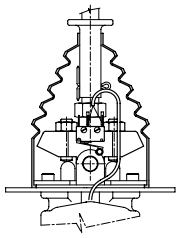
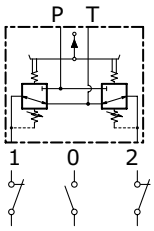
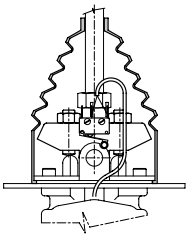
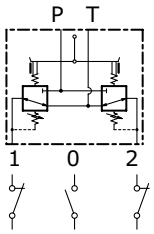
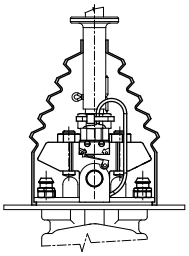
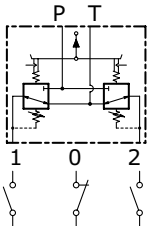
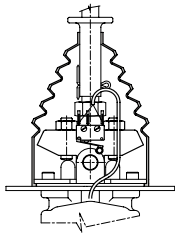
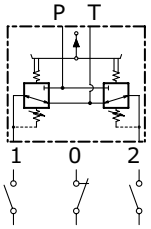
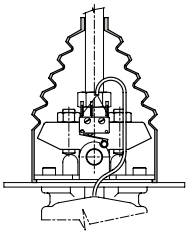
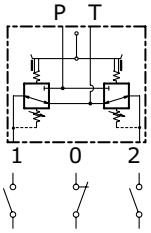
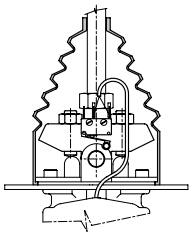
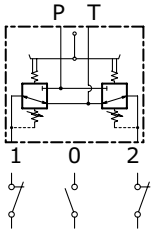
CONTROL KIT CLASSIFICATION

All controls installed on the remote control RCM are interchangeable. Lever rod type must be choosen according to different control kit (see quick reference guide pag. 27). The controls shown correspond to standard configurations; for different applications contact our Sales Dept.

Code	Configuration	Scheme	Description
01			Spring return in neutral position
02			Spring return in neutral position and mechanical detent in positions 1 and 2
03			Spring return in neutral position and mechanical detent in position 1
04			Spring return in neutral position and mechanical detent in position 2
05			Security handle in neutral position
06			Control with friction

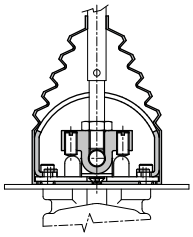
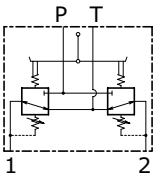
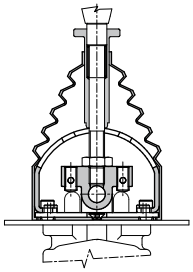
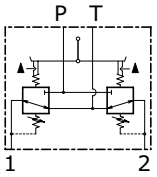
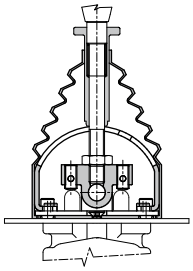
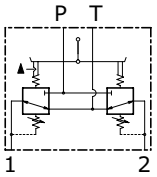
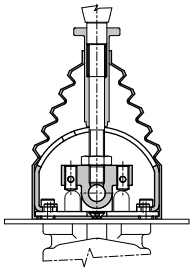
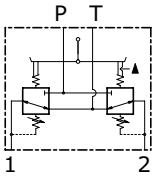
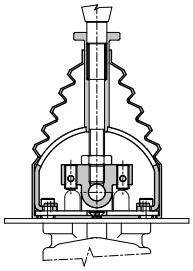
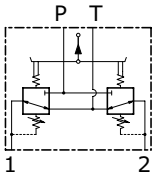
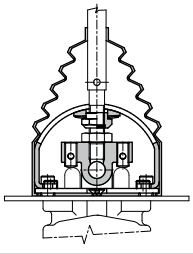
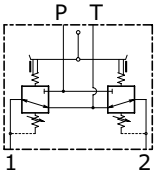
STACKABLE SINGLE AXIS LEVER REMOTE CONTROL RCM

CONTROL KIT CLASSIFICATION

Code	Configuration	Scheme	Description
08			Security handle in neutral position and mechanical detent in positions 1 and 2
12			Security handle in neutral position with micro-switch open in central position
13			Control with friction and micro-switch open in central position
14			Security handle in neutral position with micro-switch closed in central position and mechanical detent in positions 1 and 2
17			Security handle in neutral position with micro-switch closed in central position
18			Control with friction and micro-switch closed in central position
19			Spring return in neutral position with micro-switch open in central position

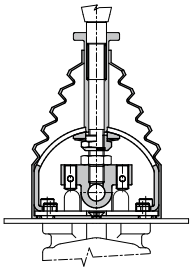
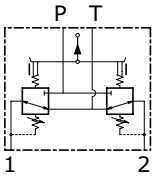
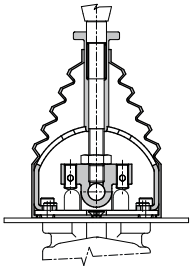
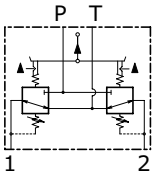
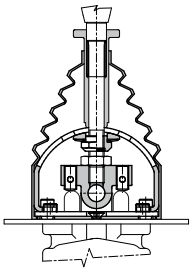
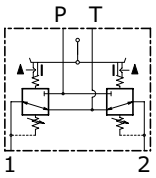
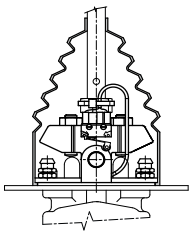
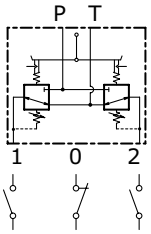
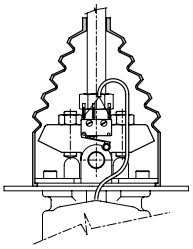
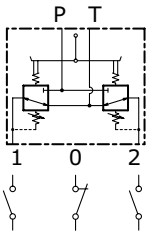
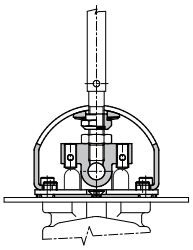
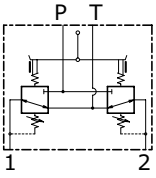
RCM STACKABLE SINGLE AXIS LEVER REMOTE CONTROL

CONTROL KIT CLASSIFICATION

Code	Configuration	Scheme	Description
21			Spring return in neutral position (ARC type)
22			Security handle with mechanical detent in postions 1 and 2 (ARC type)
23			Security handle with mechanical detent in postion 1 (ARC type)
24			Security handle with mechanical detent in postion 2 (ARC type)
25			Security handle with mechanical detent in neutral position (ARC type)
26			Control with friction (ARC type)

STACKABLE SINGLE AXIS LEVER REMOTE CONTROL RCM

CONTROL KIT CLASSIFICATION

Code	Configuration	Scheme	Description
27			Control with friction and security handle with mechanical detent in neutral position (ARC type)
28			Security handle with mechanical detent in postions 1, 2 and neutral (ARC type)
29			Control with friction and security handle with mechanical detent in positions 1 and 2 (ARC type)
30			Mechanical detent in positions 1 and 2 with micro-switch closed in central position
31			Return spring in neutral position with micro-switch closed in central position
32			Control with friction without bellow (ARC type)

RCM STACKABLE SINGLE AXIS LEVER REMOTE CONTROL

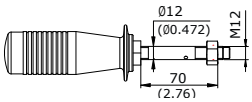
MICROSWITCHES SPECIFICATIONS

Description	Value
Direct current load resistive	5 A @ 30 Vdc
Direct current load inductive	3 A @ 250 Vac
Alternative current load resistive	5 A @ 30 Vdc
Alternative current load inductive	2 A @ 250 Vac

LEVER ROD CLASSIFICATION

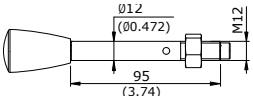
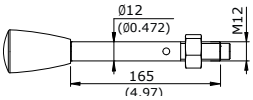
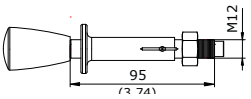
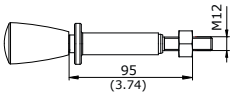
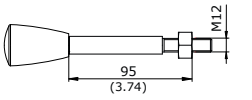
The lever rod kits applied to all the RCM hydraulic remote controls change according to the type of control used and, above all, the type of handle. For improved clarity, all the possible lever rod configurations divided according to handle are listed here below. Straight and curved lever rods are available in several lengths and dimensions.

IDENTIFICATION ROD LEVER HANDLE "A-B-D" - QUICK REFERENCE GUIDE

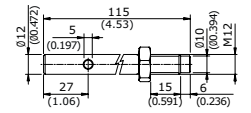
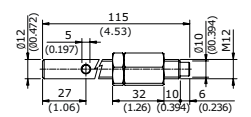
Code	Dimensional drawing	Control type 01	02	03	04	05	06	08	12	13	14	17	18	19	21	22	23	24	25	26	27	28	29	30	31	32
WA70		•	•	•	•		•			•			•	•										•	•	

Handles type "A-B-D" are only available with RCM/1 or, with RP intermediate plate, any number of sections up to 12

IDENTIFICATION ROD LEVER HANDLE "M" - QUICK REFERENCE GUIDE

Code	Dimensional drawing	Control type 01	02	03	04	05	06	08	12	13	14	17	18	19	21	22	23	24	25	26	27	28	29	30	31	32
WE95		•	•	•	•		•			•			•	•										•	•	
WE165		•	•	•	•		•			•			•	•										•	•	
WM95						•		•	•		•	•														
WN95																•	•	•	•			•	•	•		
WR95															•					•						•

IDENTIFICATION ROD LEVER HANDLE "F" - QUICK REFERENCE GUIDE

Code	Dimensional drawing	Control type 01	02	03	04	05	06	08	12	13	14	17	18	19	21	22	23	24	25	26	27	28	29	30	31	32
WF90		•	•	•	•									•										•	•	
WF90F							•			•			•													

Handles type "F" are only available with RCM/1 or, with RP intermediate plate, any number of sections up to 12