HC-RCM Stackable single axis levers remote control

Technical specifications

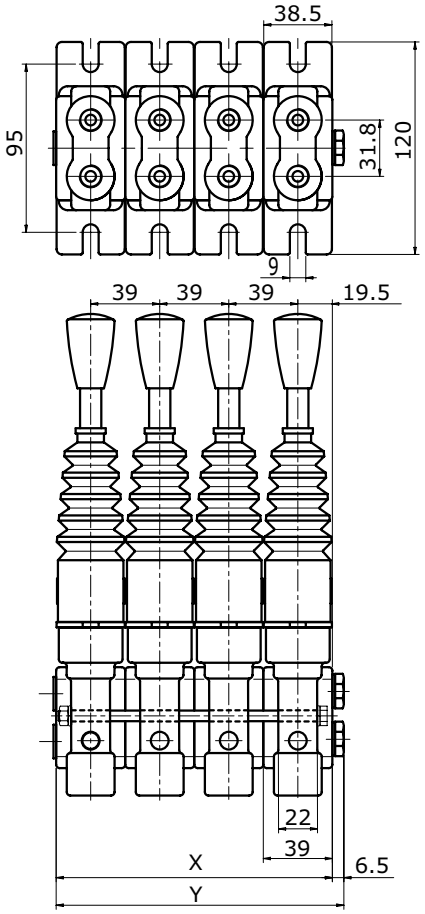
Working section number: **1 - 12**
Max pressure: **60 bar**
Oil capacity: **12 l/min**
Weight HC-RCM/1: **1,5 Kg**
Tie rod clamping torque: **14 Nm**

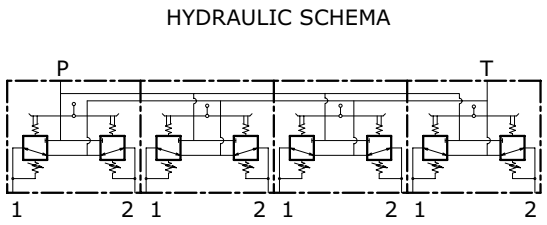
Applications

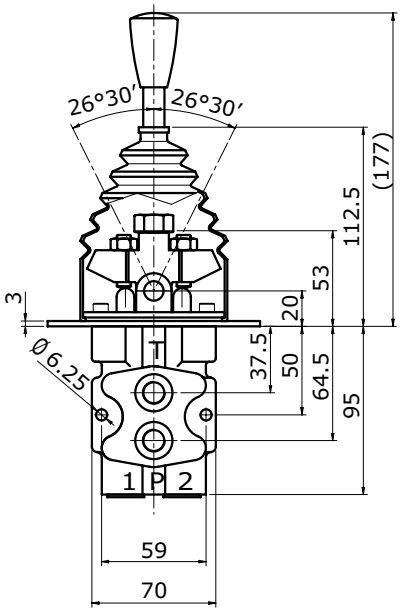
Mini steer loaders, Backhoe loaders, Tractors

Hydraulic remote control HC-RCM belongs to the wide range of Hydrocontrol products. Low operating efforts, low energy consumption and low maintenance make these hydraulic remote controls HC-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.

Dimensions







TYPE	/1	/2	/3	/4	/5	/6	/7	/8	/9	/10	/11	/12
X (mm)	39	78	117	156	195	234	273	312	351	390	429	468
Y (mm)	45,5	84,4	123,5	162,5	201,5	240,5	279,5	318,5	357,5	396,5	435,5	474,5
Weights (kg)	1,5	3	4,5	6	7,5	9	10,5	12	13,5	15	16,5	18

HC-RCM order example

HC-RCM/1: 01 - A01 - MA - M - WE95 - RA G02

TYPE:
RCM product type
/1 working section number

1) CONTROL CLASSIFICATION:
1.1 01 control type

2) METERING CURVE:
2.1 A01 curve type

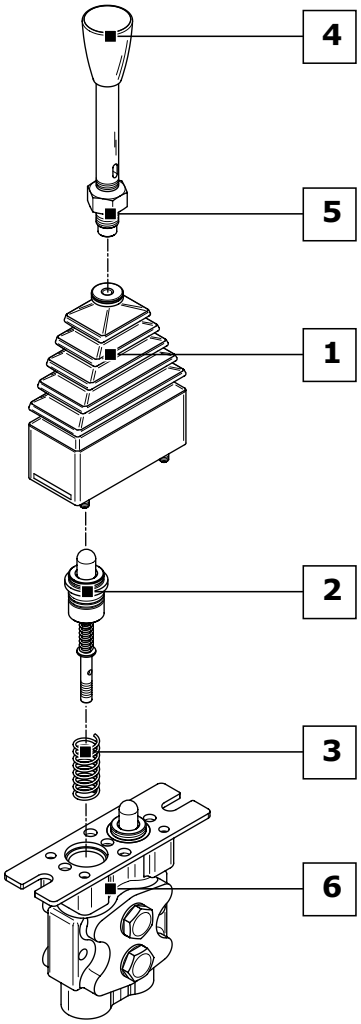
3) RETURN SPRING:
3.1 MA return spring type

4) HANDLE CLASSIFICATION:
4.1 M handle type

5) LEVER ROD CLASSIFICATION:
5.1 WE lever rod type
5.2 95 lever rod length

6) BODY ARRANGEMENT:
6.1 RA body specification
6.2 G02 body thread

Ordering row 2 and 3, must be repeated for each port
complete sample: **HC-RCM/1 01 A01 MA A01 MA A01 M WE95 RA G02**



1) CONTROL CLASSIFICATION: (pag. 26)

01	Return spring in neutral
02	Stroke end mechanical detent in position 1 and 2
03	Stroke end mechanical detent in position 1
04	Stroke end mechanical detent in position 2

2) METERING CURVE: (pag. 72)

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: (pag. 79)

MA	Preload 25 N	End stroke load 48 N
MB	Preload 14 N	End stroke load 27 N
MC	Preload 73 N	End stroke load 135 N
MD	Preload 89 N	End stroke load 169 N

4) HANDLE CLASSIFICATION: (pag. 80)

A	Without micro-switch
B	With micro-switch to close
C	With micro-switch to close with detent
D	With dual micro-switch
M	Impugnatura standard

5) LEVER ROD CLASSIFICATION: (pag. 28)

Levers depends on the handle and on the required control:

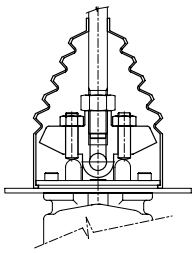
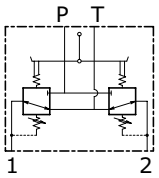
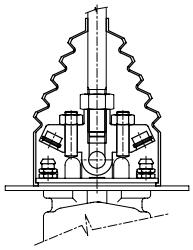
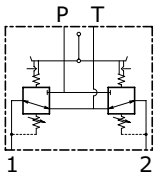
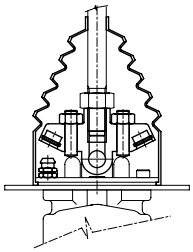
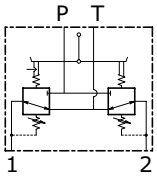
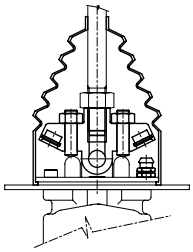
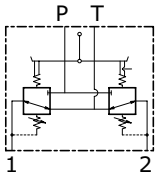
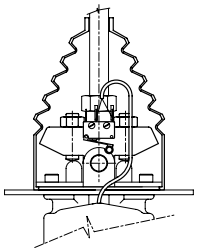
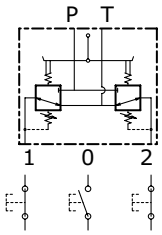
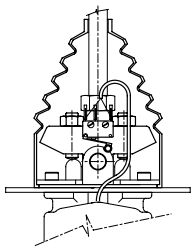
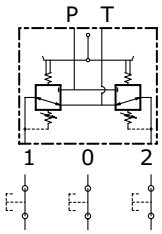
WE95 Leva standard per impugnatura M (95 mm)
WE165 Leva standard per impugnatura M (165 mm)

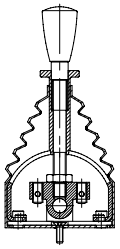
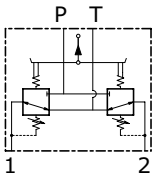
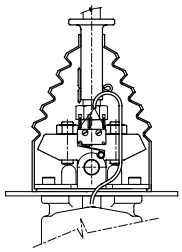
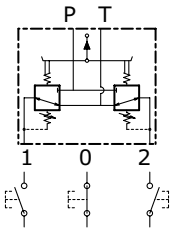
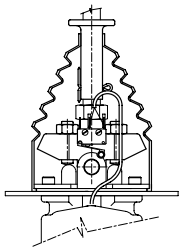
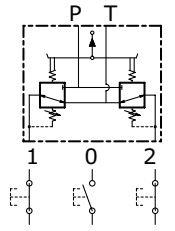
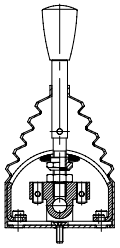
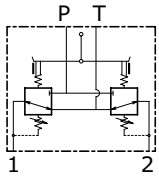
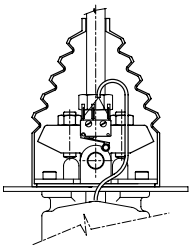
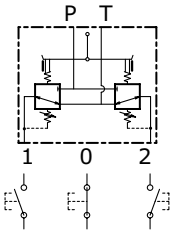
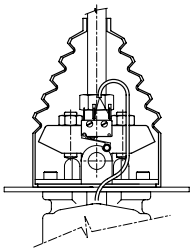
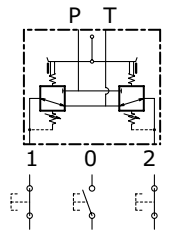
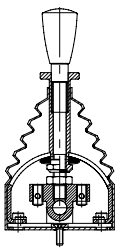
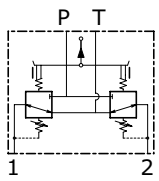
6) BODY ARRANGEMENT: (pag. 29)

RA G02	Standard Body (G 1/4 ports)
RA U02	Standard Body (9/16”-18 UNF ports)

Control kit classification

All controls installed on the remote control HC-RCM are interchangeable. Lever rod type must be choosen according to different control kit (see quick reference guide pag. 29). The controls shown correspond to standard configurations; for different applications contact our Commercial Dept.

CODE	CONFIGURATION	SCHEMA	DESCRIPTION
01			Return spring in neutral
02			Stroke end mechanical detent in position 1 and 2
03			Stroke end mechanical detent in position 1
04			Stroke end mechanical detent in position 2
19			Return spring in neutral with micro-switch open in central position
31			Return spring in neutral with micro-switch closed in central position

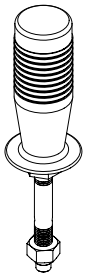
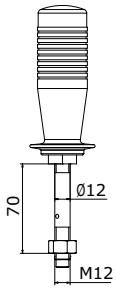
CODE	CONFIGURATION	SCHEMA	DESCRIPTION
25			Security handle in neutral
17			Security handle in neutral with micro-switch closed in central position
12			Security handle in neutral with micro-switch open in central position
26			Friction
18			Friction with micro-switch closed in central position
13			Friction with micro-switch open in central position
27			Friction and security handle in neutral

Microswitches specifications

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 HC-RCM hydraulic remote controls designed by Hydrocontrol 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.

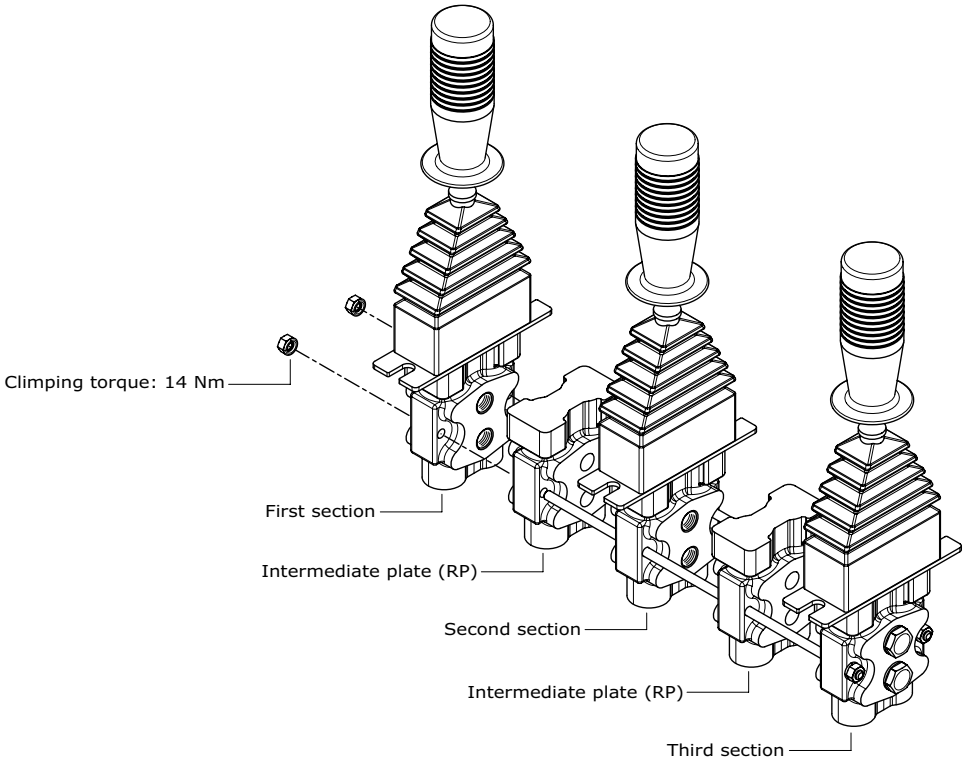
IDENTIFICATION ROD LEVER HANDLE "A-B-C-D" - QUICK REFERENCE GUIDE															
Code		Dimensional drawing	Control type												
			01	02	03	04	12	13	17	18	19	25	26	27	31
WA70			•	•	•	•		•		•	•				•
WQ70 (only for "A" handle)													•		

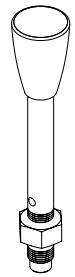
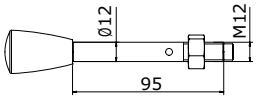
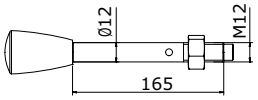
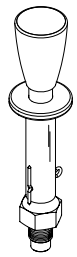
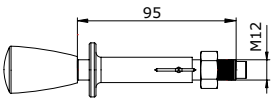
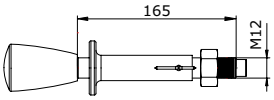
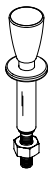
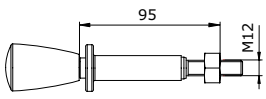
Handles type "A-B-C-D" are only available with HC-RCM/1. To set up an HC-RCM remote control with any number of sections between 2 and 12, an intermediate plate must be used identified by the order code RP.

Order example RCM/3 with "RP" intermediate plate

HC-RCM/3: 01-A01-MA-A WA70-RA G02 - **RP** - 01-A01-MA-A WA70-RA G02 - **RP** - 01-A01-MA-A WA70-RA G02

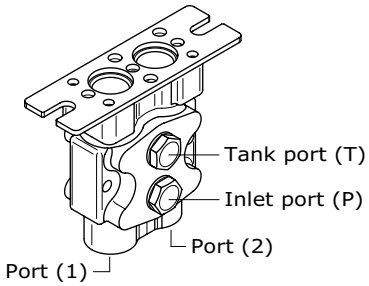
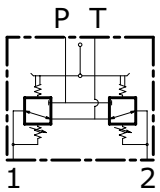
1) FIRST SECTION:
2) INTERMEDIATE PLATE:
3) SECOND SECTION:
4) INTERMEDIATE PLATE:
5) THIRD SECTION:



IDENTIFICATION ROD LEVER HANDLE "M" - QUICK REFERENCE GUIDE																
Code		Dimensional drawing	Control type													
			01	02	03	04	12	13	17	18	19	25	26	27	31
WE95			•	•	•	•		•		•	•				•
WE165			•	•	•	•		•		•	•				•
WM95							•		•						
WM165							•		•						
WN95												•		•	
WR95													•		

Body arrangement

The hydraulic remote control HC-RCM has only one setting body, the only variable is represented by a different thread

CODE	CONFIGURATION	SCHEMA	DESCRIPTION
RA G02			**Standard body** with ports G 1/4
RA U02			**Standard body** with ports 9/16" - 18 UNF