

CONVERSION FORMULAS: Change Gears to Calibrators

MCTII Compound Meters on MFMII Bypass: US Gallon Registers

STEP 1: Insert Change Gear Numbers and the Standard Register Ratio for the Chamber Size into formula.

STEP 2: Perform the calculation.

STEP 3: Match answer to the chart below to determine the equivalent Calibrator part number.

STEP 4: If the answer was below 1.025 recalculate with the +10% register ratio.

STEP 5: If the answer was above 1.138 recalculate with the -10% register ratio.

2" MCTII Mainline Register	
Driven ÷ Driver x 384 ÷ Register Ratio = Answer	
Standard Register Ratio =	450.88
- 10% Register Ratio =	495.97
+ 10% Register Ratio =	405.79

4" MCTII Mainline Register	
Driven ÷ Driver x 578 ÷ Register Ratio = Answer	
Standard Register Ratio =	859.18
- 10% Register Ratio =	946.52
+ 10% Register Ratio =	772.38

2" MCTII Bypass Register	
Driven ÷ Driver x 512 ÷ Register Ratio = Answer	
Standard Register Ratio =	396.64
- 10% Register Ratio =	436.3
+ 10% Register Ratio =	356.97

4" MCTII Bypass Register	
Driven ÷ Driver x 94.6 ÷ Register Ratio = Answer	
Standard Register Ratio =	133.27
- 10% Register Ratio =	146.6
+ 10% Register Ratio =	119.89

3" MCTII Mainline Register	
Driven ÷ Driver x 266 ÷ Register Ratio = Answer	
Standard Register Ratio =	190.33
- 10% Register Ratio =	209.36
+ 10% Register Ratio =	171.23

6" MCTII Mainline Register	
Driven ÷ Driver x 298.7 ÷ Register Ratio = Answer	
Standard Register Ratio =	343.06
- 10% Register Ratio =	377.36
+ 10% Register Ratio =	308.75

3" MCTII Bypass Register	
Driven ÷ Driver x 384 ÷ Register Ratio = Answer	
Standard Register Ratio =	298.76
- 10% Register Ratio =	328.64
+ 10% Register Ratio =	268.89

6" MCTII Bypass Register	
Driven ÷ Driver x 512 ÷ Register Ratio = Answer	
Standard Register Ratio =	593.47
- 10% Register Ratio =	652.9
+ 10% Register Ratio =	534.12

Match your answer to a Calibrator Part Number below.				
Range	to	Range	Calibrator Part #	
1.025	to	1.030	use C65341	+5.0%
1.031	to	1.035	use C65342	+4.5%
1.036	to	1.040	use C65343	+4.0%
1.041	to	1.046	use C65344	+3.5%
1.047	to	1.052	use C65345	+3.0%
1.053	to	1.057	use C65346	+2.5%
1.058	to	1.062	use C65347	+2.0%
1.063	to	1.068	use C65348	+1.5%
1.069	to	1.073	use C65349	+1.0%
1.074	to	1.078	use C653410	+0.5%
1.079	to	1.084	use C653411	nominal
1.085	to	1.090	use C653412	-0.5%
1.091	to	1.096	use C653413	-1.0%
1.097	to	1.100	use C653414	-1.5%
1.101	to	1.105	use C653415	-2.0%
1.106	to	1.111	use C653416	-2.5%
1.112	to	1.117	use C653417	-3.0%
1.118	to	1.121	use C653418	-3.5%
1.122	to	1.128	use C653419	-4.0%
1.129	to	1.132	use C653420	-4.5%
1.133	to	1.138	use C653421	-5.0%

Sealed Register Part Numbers for MCTII on MFMII*				
	2" Main	2" BP	3" Main	3" BP
STD	D353214	D353211	D35325	D35328
- 10%	D355514	D355511	D35555	D35558
+ 10%	D355714	D355711	D35575	D35578
	4" Main	4" BP	6" Main	6" BP
STD	D353219	D35323	D353210	D353218
- 10%	D355519	D35553	D355510	D355518
+ 10%	D355719	D35573	D355710	D355718
* For standalone MCTII registers see PB1040				
** For Translator Encoder Register Part Numbers Please Contact Hersey Customer Service.				

 <p>Hersey Customer Service (800)323-8584 www.herseymeters.com</p>
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