

CONVERSION FORMULAS: Change Gears to Calibrators

MCTII Compound Meters (Except when used on MFMI): 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 =	480.31
- 10% Register Ratio =	528.38
+ 10% Register Ratio =	432.28

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 =	404.64
- 10% Register Ratio =	445.1
+ 10% Register Ratio =	364.12

4" MCTII Bypass Register	
Driven ÷ Driver x 94.6 ÷ Register Ratio = Answer	
Standard Register Ratio =	131.22
- 10% Register Ratio =	144.34
+ 10% Register Ratio =	118.1

3" MCTII Mainline Register	
Driven ÷ Driver x 266 ÷ Register Ratio = Answer	
Standard Register Ratio =	192.64
- 10% Register Ratio =	211.9
+ 10% Register Ratio =	173.32

6" MCTII Mainline Register	
Driven ÷ Driver x 298.7 ÷ Register Ratio = Answer	
Standard Register Ratio =	348.56
- 10% Register Ratio =	383.49
+ 10% Register Ratio =	313.7

3" MCTII Bypass Register	
Driven ÷ Driver x 384 ÷ Register Ratio = Answer	
Standard Register Ratio =	296.3
- 10% Register Ratio =	325.93
+ 10% Register Ratio =	266.67

6" MCTII Bypass Register	
Driven ÷ Driver x 512 ÷ Register Ratio = Answer	
Standard Register Ratio =	606.19
- 10% Register Ratio =	666.82
+ 10% Register Ratio =	545.42

Match your answer to a Calibrator Part Number below.				
Range	to	Range	use	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*				
	2" Main	2" BP	3" Main	3" BP
STD	D353216	D353212	D35329	D353213
- 10%	D355516	D355512	D35559	D355513
+ 10%	D355716	D355712	D35579	D355713
	4" Main	4" BP	6" Main	6" BP
STD	D353219	D35322	D35326	D353215
- 10%	D355519	D35552	D35556	D355515
+ 10%	D355719	D35572	D35576	D355715
* For MCTII's on the bypass of an MFMI see PB1041				
** For Translator Encoder Register Part Numbers Please Contact Hersey Customer Service.				

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