

# Material: AFNOR NF A 420 M

## Standard Specification for Steel Casting and Nickel Alloy Castings for Pump, Valve and Fitting

**Group:** Ferrous Mild Steel Alloys

**Sub Group:** AFNOR NF A 420 M Steel Casting and Nickel Alloy Castings for Pump, Valve and Fitting

**Application:** Intended for Valve, Pump, General Engineering, Automotive and Other Industries

**Grade Belongs to the Industry:** Pump, Valve and Fitting

Chemical Composition			Heat Treatment	
Carbon	C %	0.230 max.	Normalizing or Quenching or Solution Annealing	
Silicon	Si %	0.600 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.030 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa 420 min. Yield Strength in Mpa 240 min. Elongation in % 25 min. Reduction of Area in % -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN 10213 GP240GH	BS	British	Plate, Tubes and Forging
A 216 Grade WCB	ASTM	USA	Casting
A 420 C-M	AFNOR NF	France	Pump, Valve and Fitting
Ao 17 CrMoV	MSZ	Hungary	Plate, Tubes and Forging
SCPH 1	JIS	Japan	Plate, Tubes and Forging
GP 240 GH	UNE	Spain	Plate, Tubes and Forging
1.0619	EN	European Union	Plate, Tubes and Forging

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