



Scope according to		<input checked="" type="checkbox"/> Directive 2014/68/EU Annex I §4.3	<input type="checkbox"/> EN 764-4	<input checked="" type="checkbox"/> AD 2000-Merkblatt W0	<input type="checkbox"/> FPC, Regulation (EU) No. 305/2011(System 2+)							
Manufacturer			Work		Nationality	Date	Page No..					
Company Name: SGA ALLOYS PRIVATE LIMITED  Location: Sf.No 10/1, Nallagoundanpalayam, , Kaduvettipalayam (Post), Sular(Taluk), Coimbatore – 641659, INDIA			Sf.No 10/1, Sular(Taluk), Nallagoundanpalayam, Kaduvettipalayam (Post), Coimbatore – 641659, India		INDIA	25.06.2021  Rev.: 00	1  of : 3	TÜV Rheinland  Industrie Service GmbH				
Cur	Materials-term Materials-No.	Material Specification	Delivery Cond.	Article Type of Product	Dimensions				Weight max  1=t / 2=kg  ↓ result	Technical Specifications  Requirements Technical Regulations	Remarks	
					Thick-ness mm		Ø mm					
1	2	3	4	5	6a	Up to 6b	from 7a	Up to 7b	8a	8b	9	10
<b>1. Materials according to the AD 2000-Code</b>												
The use of the materials according to Directive 2014/68/EU is bound to the publication of Harmonized European Standards or to the qualification by a European material approval or to the particular material appraisal. With that the manufacturing reliability for equivalent material grades according to other standards (e.g. BS, AFNOR, ASME) is proved. The requirements and limits of the applicable code respectively the PED must be observed for the use of material grades listed in column 2 to 4.												
1	GP 240 GH (1.0619)	EN 10213	+N	Valve Castings	-	100	-	-	2	330	AD 2000 W5	
2	GX5CrNiMo 19-11-2 (1.4408)	EN 10213	+AT		-	100	-	-	2	330		
<b>Remarks</b>		+AT = solution annealed +AR = as rolled +M = thermo mechanical treated +N = normalized or normalizing formed		+NT = normalized and tempered +QT = quenched and tempered +S = soft annealed +SR = stress relieved		a = PMA for the use in pressure equipment in Directive 2014/68/EU necessary						

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Manufacturer				Work		Nationality	Date	Page No..				
Company Name: SGA ALLOYS PRIVATE LIMITED				Sf.No 10/1, Kaduvettipalayam (Post), Sulus(Taluk), Nallagoundanpalayam, Coimbatore – 641659, India		INDIA	25.06.2021	2	TÜV Rheinland Industrie Service GmbH			
Location: Sf.No 10/1, Kaduvettipalayam (Post), Sulus(Taluk), Nallagoundanpalayam, Coimbatore – 641659, INDIA							Rev.: 00	of : 3				
Cur	Materials-term Materials-No.	Material Specification	Delivery Cond.	Article Type of Product	Dimensions				Weight max 1= / 2=kg ↓ result	Technical Specifications Requirements Technical Regulations	Remarks	
					Thick-ness mm		Ø mm					
					from	Up to	from	Up to				
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10
<b>2. Materials according to international standards ( e. g. ASTM, ASME, IBR etc. )</b>												
The use of the materials according to DGR 2014/68/EU is bound to the publication of Harmonized European Standards or to the qualification by a European material approval or to the particular material appraisal. With that the manufacturing reliability for equivalent material grades according to other standards (e.g. BS, AFNOR, ASME) is proved. The requirements and limits of the applicable code respectively the PED must be observed for the use of material grades listed in column 2 to 4.												
3	WCB / WCC	ASTM A216	+N	} Valve Castings	-	100	-	100	2	330	PED 2014/68/EU	PMA by pressure equipment manufacturer (category VII) respectively the Notified Body (category III/IV) is requested
4	CF8M / CF3M/CF8/ CF3	ASTM A351	+AT		-	100	-	100	2	330		
5	LCC	ASTM A352	+QT		-	100	-	100	2	330		
<b>Results</b>		+AT = solution annealed		+NT = normalized and tempered		a = PMA for the use in pressure equipment in Directive 2014/68/EU necessary						
		+AR = as rolled		+QT = quenched and tempered								
		+M = thermo mechanical treated		+S = soft annealed								
		+N = normalized or normalizing formed		+SR = stress relieved								



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Manufacturer				Work				Nationality	Date	Page No..		
Company Name: SGA ALLOYS PRIVATE LIMITED  Location: Sf.No 10/1, Nallagoundanpalayam, , Kaduvettipalayam (Post), Sulur(Taluk), Coimbatore – 641659, INDIA				Sf.No 10/1, Sulur(Taluk), Nallagoundanpalayam, Kaduvettipalayam (Post), Coimbatore – 641659, India				INDIA	25.06.2021  Rev.: 00	3  of : 3	TÜV Rheinland  Industrie Service  GmbH	
Cur	Materials-term Materials-No.	Material Specification	Delivery Cond.	Article Type of Product	Dimensions				Weight max		Technical Specifications  Requirements Technical Regulations	Remarks
					Thick-ness mm		Ø mm		1=t / 2=kg			
					from	Up to	from	Up to	↓	result		
1	2	3	4	5	6a	6b	7a	7b	8a	8b	9	10
<b>3. Materials according to harmonized European standards (hEN) and European Approval for Materials (EAM) acc. Directive 2014/68/EU</b>												
The use of the materials according to Directive 2014/68/EU is bound to the publication of Harmonized European Standards or to the qualification by a European material approval or to the particular material appraisal. With that the manufacturing reliability for equivalent material grades according to other standards (e.g. BS, AFNOR, ASME) is proved. The requirements and limits of the applicable code respectively the PED must be observed for the use of material grades listed in column 2 to 4.												
6	GX5CrNiMo19-11-2 (1.4409)	EN 10213	+AT	Valve Casting	-	100	-	-	2	330		
<b>Remarks</b>	+AT = solution annealed +AR = as rolled +M = thermo mechanical treated +N = normalized or normalizing formed			+NT = normalized and tempered +QT = quenched and tempered +S = soft annealed +SR = stress relieved			a = PMA for the use in pressure equipment in Directive 2014/68/EU necessary					