

Steel plate for for Boiler Pressure Vessel JIS G3115 SPV 24

SPV 24 steel plate, JIS G3115 SPV 24 steel plates is a kind of material for boiler and pressure vessel steel. JIS G3115 SPV 24 steel plates is characterised by a minimum yield strength of 170-230MPa and by good weldability,so SPV 24 steel is mainly used to for manufacturing boilers, pressure vessels and pipes transporting hot liquids.the following are JIS G3115 SPV 24 steel plate's Chemical composition and mechanical properties

Chemical analysis -% by mass*

Grades	C max	Si max	Mn. max	P max	S max	N max	AL min	Cr max	Cu max	Mo max	Ni max	Nb max	Ti max	V max
SPV 24	0.16	0.35	0.60-1.20	0.025	0.015	0.012	0.02	0.3	0.03	0.08	0.3	0.02	0.03	0.02

Mechanical properties

Gade	Thicknes s (mm)	Yield Strength MPa(min)	Tensile Strength MPa	Elongation % (min)	Impact Energy (KV J) (min)		
					-20℃	0℃	20℃
SPV 24	≤ 16	235	360 to 480	24	27	34	40
	16<t ≤40	225	360 to 480	24	27	34	40
	40<t ≤60	215	360 to 480	24	27	34	40
	6<t ≤100	200	360 to 480	24	27	34	40
	100<t ≤150	185	350 to 480	24	27	34	40
	150<t ≤250	170	350 to 480	24	27	34	40

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