


Material		Hard vinyl chloride lined steel pipes for water supply (SGP-VA) JWWA Standard No. K116							
Standard		Pipe nipple (threaded pipe fittings JIS B 2302) Screw: PT (tapered pipe thread JIS B 0203)							
Shape		 Double screw							
Diameter	Length	Short nipple	50mm	65mm	75mm	100mm	125mm	150mm	200mm
15A	1/2B	\$2.3 400	\$2.42 400 (100×4)	\$2.65 320 (80×4)	\$3.11 280 (70×4)	\$3.45 160 (40×4)	\$4.03 160 (40×4)	\$4.6 120 (30×4)	\$5.64 120 (30×4)
20A	3/4B	\$2.54 200	\$3.11 280 (70×4)	\$3.45 200 (50×4)	\$3.8 160 (40×4)	\$4.15 120 (30×4)	\$4.84 100 (25×4)	\$5.53 80 (20×4)	\$6.67 80 (20×4)
25A	1B	\$3.8 200	\$4.03 200 (100×2)	\$4.6 140 (70×2)	\$4.84 120 (60×2)	\$5.87 90 (45×2)	\$6.9 80 (40×2)	\$7.71 80 (40×2)	\$9.2 60 (30×2)
32A	1 1/4B	\$5.29 100		\$6.22 100 (50×2)	\$6.56 80 (40×2)	\$7.83 70 (35×2)	\$9.55 70 (35×2)	\$10.58 60 (30×2)	\$12.65 40
40A	1 1/2B	\$6.56 80		\$7.59 70 (35×2)	\$8.28 60 (30×2)	\$9.78 50 (25×2)	\$11.5 50 (25×2)	\$12.88 40 (20×2)	\$15.3 36
50A	2B	\$9.55 55		\$10.24 60 (30×2)	\$10.93 48 (24×2)	\$13.35 40 (20×2)	\$15.76 30 (15×2)	\$17.37 30 (15×2)	\$20.7 20
65A	2 1/2B	\$22.08 24				\$26.34 24	\$29.1 24	\$32.2 18	\$35.88 12
80A	3B	\$29.45 18				\$30.59 16	\$34.5 16	\$36.46 12	\$41.98 9
100A	4B	\$40.48 6				\$42.55 10	\$48.3 10	\$52.67 8	\$60.38 5
125A	5B	\$99.02 4							
150A	6B	\$117.99 4							

※ Prices in parentheses are for large boxes and small boxes.

▼ Material Standards

SGP-VA Hard vinyl chloride lined steel pipes for water supply (JWWA K116)

Black carbon steel pipe for SGP pipes (JIS G3452), coated with hard PVC resin (JIS K6742) on the inner surface and primary anti-rust coating on the outer surface. The inner surface of the pipe has excellent corrosion resistance, oil resistance, and chemical resistance. Since the inner surface is made of smooth hard PVC resin, frictional resistance is low and changes in flow rate and velocity inside the pipe can be minimized. In place of conventional hot-dip galvanized steel pipes, this product is also used for water supply pipes for households, air conditioning cooling water, and industrial water.

▼ Main applications

Mainly for indoor water supply pipes

▼ Chemical Composition

Type	Symbol	Chemical composition (%)	
		P	S
Carbon steel pipe for piping	SGP	0.040 or less	0.040 or less

▼ Inspection pressure

Leakage (air pressure)	0.5Mpa(5.1kgf/cm ²)
Pressure resistance (water pressure)	2.5Mpa(25.5kgf/cm ²)

▼ Screw Standards

This is an external threaded pipe fitting that requires a tapered male thread [symbol: R(PT)] for pipes (compliant with JIS B0203). Suitable for joining internal threaded pipe fittings, other pipe material components and fluid equipment, etc., where the main purpose is to provide tightness.

▼ Maximum Operating Pressure
1MPa

▼ Mechanical Strength
Same as SGP steel pipe.

▼ Recommended Operating Temperature
0 to 40°C when a pipe end anticorrosion joint is used

▼ Inspection of Screws

All inspections of the screws are performed using tapered thread gauges specified in JIS B0253, the standard number of the Japanese Industrial Standard (JIS standard). We use OSG gauges manufactured by OSG as the inspection gauge manufacturer.

▼ Combining methods

When tightening, after tightening by hand, it is necessary to use a tool such as a pipe wrench to apply torque. However, even if the screws are tightened firmly, a space will be left between the top of the mountain and the bottom of the valley, and it will not be completely airtight. Therefore, it is necessary to wrap the thread with sealing tape (tape type gap-filling material) or apply liquid sealing material to the thread before assembly.) In order to ensure airtightness, the sealing tape should be wrapped around the male threads (two to three times) and the sealant should be applied to the female threads as well.