

Heat, Cold Retention Pipe Covers



PVC Pipes, Fittings / PVC Pipes

-Overview-

CAD Data

CAD Data

Heat, Cold Retention Pipe Covers -For Steel Pipes- **HKCVP**

Operation Temperature Range: -20~120°C **M** Material: Heat Resistant Polyethylene Foam

Part Number		L 1mm Increment	D	d	t	€ Unit Price				
Type	No.					L30-250	L251-500	L501-750	L751-1000	L1001-1500
HKCVP	6A	30~1500	26	10	8					
	8A		29	13	8					
	10A		38	18	10					
	15A		42	22	10					
	20A		48	28	10					
	25A		55	35	10					
	32A		63	43	10					
	40A		69	49	10					
50A	81	61	10							

Example

HKTPE (Fix slit.)
HKCVP

Order Example Part Number **HKCVP10A** - L **500** Price **€**

Volume Discount (Round down to one Cent.) **P87**

Quantity	1-9	10-14	15-19	20-49
Rate	€ Unit Price	5%	10%	18%

For orders larger than indicated quantity, please request a quotation.

Days to Ship **8 Days** Express A **3,00 EUR/ piece** **P88**

A Express Charge of 8,10 EUR for 3 or more identical pieces.

Heat, Cold Retention Pipe Covers -For Elbow- **HKCVE** (For Elbow)

Operation Temperature Range: -20~120°C **M** Material: Heat Resistant Polyethylene Foam

Part Number		D	d	t	L	€ Unit Price
Type	No.					
HKCVE	6A	32	16	8	24	
	8A	36	20	8	26	
	10A	44	24	10	32	
	15A	48	28	10	34	
	20A	54	34	10	36	
	25A	63	43	10	40	

Order Example Part Number **HKCVE10A** Price **€**

Volume Discount (Round down to one Cent.) **P87**

Quantity	1-9	10-14	15-19	20-49
Rate	€ Unit Price	5%	10%	18%

For orders larger than indicated quantity, please request a quotation.

Days to Ship **8 Days** Express A **3,00 EUR/ piece** **P88**

A Express Charge of 8,10 EUR for 3 or more identical pieces.

Tapes for Pipe Covers **HKTPE**

Operation Temperature Range: -20~80°C **M** Material: Polypropylene

Order Example Part Number **HKTPE25**

Days to Ship **8 Days** Express A **3,00 EUR/ piece** **P88**

A Express Charge of 8,10 EUR for 3 or more identical pieces.

Operation Temperature and Pressure

Application	Main Pipe	Main Pipe Fittings	Normal temperature (5~35°C)	Tensile Yield Strength
For tap water	Unplasticized poly (vinyl chloride) (PVC-U) pipes VP for tap water	TSFittings		
For force-feed	Unplasticized poly (vinyl Chloride) (PVC-U) pipes VP	TSFittings	1.0MPa (StaticWater+Water Impact Resistance)	
For water supply	Unplasticized poly (vinyl chloride) (PVC-U) pipes HI-VP for tap water Impact Resistance	HFittings	0.75MPa (StaticWater)	40MPa or more (23°C)

Performance Standards (TSJoints - HIJoints Common)

Item	Performance Standards
turbidity	0.5 or less
Color	1 or less
Organic (TOC)	1mg/L or less
Lead	0.008mg/L or less
Zinc	0.5mg/L or less
Reduction of residual chlorine	0.7mg/L or less

(Note)1. Operating temperature and pressure may vary depending on the type of joints and conjugation methods.
2. Note that the faster the flow within pipes, the higher the pressure of water is. Keep the flow rate under 2m/s as a principle. 2m/s or more
3. Pipes that exposure PVC should be treated for expansion and contraction due to elasticity of PVC pipes by temperature difference.

Characteristics	Item	Unit	VP Pipes - TS Fittings	HI-VP Pipes - HI Fittings	Testing Method
Physical Properties	Color	-	Gray	Blue Gray	-
	Specific Gravity	-	1.43	1.4	JIS K 7112 density gradient centrifugation 20°C
	Hardness	Rockwell R	115	115	ASTM D 785 20°C
	Moisture Absorption Ratio	For a week in normal temperature mg/cm ²	0.15 or lower	0.15 or lower	-
Mechanical Properties	Tensile Strength	MPa (kgf/cm ²)	49-54(500-550)	49-52(500-530)	JIS K 6742 23°C or others
	Young's Modulus	MPa (kgf/cm ²)	2942(3x10000)	2942(3x10000)	JIS K 7113 20
	Tensile Elongation at Breakage	%	50-150	50-150	JIS K 6741 23°C
	Flexural Strength	MPa (kgf/cm ²)	78.5-98.1(800-1000)	78.5-98.1(800-1000)	JIS K 7203 20°C 65%RH
	Elastic Modulus	MPa (kgf/cm ²)	2746(2.8x10000)	2746(2.8x10000)	JIS K 7203 20°C 65%RH
	Compression Strength	MPa (kgf/cm ²)	69(700)	64(650)	JIS K 7208 20°C 65%RH
Thermal Characteristics	Poisson ratio	-	0.35-0.4	0.35-0.4	-
	Charpy Impact Strength	kJ/m ² (kgf-cm ²)	6.9-9.8(7-10)	17.7 or more	-
	Vicat Softening Temperature	°C	76 or more	76 or more	JIS K 6742
	Linear Thermal Expansion Coefficient	1/°C	6-8x10-5	6-8x10-5	-
Electrical Characteristics	Specific Heat	J(kg-K)(cal/g-°C)	1.05x1000(0.25)	1.05x1000(0.25)	-
	Heat Transfer Coefficient	W(mK) (kcal/m h °C)	0.15(0.13)	0.15(0.13)	DIN 8061
	Combustibility	-	Self-extinguishing	Self-extinguishing	-
	Withstanding Voltage	kV/mm	40 or more	40 or more	-
	Specific Volume Resistivity	Ωcm	5.3x1015	5.3x1015	30°C 65%RH
	Dielectric Constant 60MHz	-	3.2	3.2	30°C 55%RH
Electrical Characteristics	Dielectric Constant 1000 Hz	-	3.1	3.1	-
	Dielectric Constant 1000000 Hz	-	3	3	-
	Power Factor 60Hz	100	1.18	1.18	30°C 55%RH
	Power Factor 1000 Hz	100	1.91	1.91	-
Power Factor 1000000 Hz	100	1.72	1.72	-	

Listed Values are for reference, not guaranteed.

Nominal	d1	Tolerance of d1	D / D1	Tolerance of D - D1	I/T	L1	d (Min.)	t (Min.)
13	18.4	±0.2	24	-0.6	1/30	26	13	2.7
16	22.4	±0.2	29	-0.7	1/34	30	16	2.7
20	26.45	±0.2	33	-0.8	1/34	35	20	3.2
25	32.55	±0.25	40	-1.0	1/34	40	25	3.6
30	38.6	±0.25	46	-1.0	1/34	44	31	3.6

PVC Pipes **RoHS**

Type	Material	Standards	Color
PVCT	Vinyl Chloride	JIS K 6742	Gray
PVCH			Blue Gray

Note that outer diameter of pipes may have some scratches or small flaws on its surface.

Part Number		L 1mm Increment	Outer Diameter		Thickness		Inner Diameter (Reference Value)	€ Unit Price						
Type	No.		D	Tolerance	t	t Tolerance		PVCT						
PVCT PVCH	13	50-1500	18	±0.2	2.5	±0.2	13	L50-200	201-400	401-600	601-800	801-1000	1001-1250	1251-1500
	16		22	±0.2	3	±0.3	16							
	20		26	±0.2	3	±0.3	20							
	25		32	±0.2	3.5	±0.3	25							
	25		32	±0.2	3.5	±0.3	25							
	30		38	±0.3	3.5	±0.3	31							

The tolerance of L dimension will be +1~3 for 50~1000, +2~5 for 1001~1500. * The price of PVCH is the price in the table above plus 1,00 EUR

Order Example Part Number **PVCT20** - L **500** Price **€**

Volume Discount (Round down to one Cent.) **P87**

Quantity	1-9	10-14	15-19	20-29
Rate	€ Unit Price	5%	10%	18%

For orders larger than indicated quantity, please request a quotation.

Days to Ship **8 Days** Express A **3,00 EUR/ piece** **P88**

A Express Charge of 8,10 EUR for 3 or more identical pieces.