

PVC  
PRESSURE PIPES  
AND FITTINGS

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PVC KM  
PRESSURE PIPES  
AND FITTINGS



Hard PVC pressure pipes and fittings are made for applications at 20 °C (68 °F) for the realization of potable water systems operating at the pressures given in the table, and for the construction of pressure pipes for sewage water (see the maximal pressure measurable on the pipe). In such operating conditions their serviceable life is 50 years. When the temperature of the water flowing through the pipe is more than 20 °C (68 °F), the working pressure has to be reduced. Factory length: PVC pressure pipes: 6 m, PVC KM pressure pipes: 6 m (laying length).

### FIELD OF APPLICATION

- diameter Ø 16-110 mm, glued,  
inside of the buildings at: assembly cases,  
chases,  
outside of the walls, with securing bracket  
outside of the buildings: underground embedding.
- diameter Ø 90-450 mm, sleeved pipe, with rubber ring  
outside of the buildings: underground embedding.

### IMPORTANT NOTICE

- Gluing: PVC pipes and fittings Ø 16-110 mm may be connected to each other by gluing. Gluing procedure:
  - degrease the adhesive surface with denatured alcohol
  - dab over the adhesive surface *Vinifix* paste with a hair brush
  - press the so dabbed surfaces on each other. Keep away any mechanical stress from the pasted surface for 30 minutes after the gluing. Compression test may be carried out after 8 hours, at 20 °C. For lower temperatures increase the drying time (at 24 hours).
- PVC tapping saddle may be used also for drainage under pressure. In such cases the drainage hole will be realized with a bronze knife that maybe bought when procuring the fittings.
- Flanged fittings may be connected with quick joining PVC flanges or with PVC loose flange. The quick joining PVC flange maybe used for the realization of a screwless connection between PVC fittings and PVC gate valves. The PVC loose flange can be used for the realization of a connection between PVC fittings with flange and cast fittings.
- The gate valve's lengthening rod is made of several lengths.
  - 1000 mm, 1250 mm, 1500 mmLengths of the gate valve's extension lengthening rod:
  - 1000 mm, 1250 mm, 1500 mm, 1800 mm
- At cased (sleeved) connections, with rubber ring it must be applied always a sliding agent.
  - sliding agent: POTASH SOAP.
- For significant orders the PVC KM pressure pipes may be supplied also for a working pressure of 12,5 bars.
- The PVC pressure pipes and fittings Ø 16, Ø 90, Ø 110 mm are supplied only for special order.



Provided data are informative only.  
PannonPipe Ltd. and its subcontractors reserve the right to modify  
the technical parameters without a previous notice.

# PVC PRESSURE PIPES AND FITTINGS

BAR DIMENSIONS Ø mm

16 20 25 32 40 50 63 90 110



Pressure pipe

10



Socket  
M

10



MGI  
socket,  
inner  
threaded

10

G 3/8"

G 1/2"

G 3/4"

G 1"

G 5/4"

G 6/4"

G 2"



MGA  
socket,  
outer  
threaded

10

G 1/2"

G 3/4"

G 1"

G 5/4"

G 6/4"

G 2"

G 3"

G 4"



W1  
elbow

10



W1G  
elbow  
threaded

10

G 3/8"

G 1/2"

G 3/4"

G 1"



T-piece  
fitting

10



TR  
reduced  
T-piece

10

16

16

10

20

20

10

25



TG  
T-piece  
fitting  
threaded

10

G 1/2"

G 3/4"



R1  
reducing  
piece

10

16

20

16

16

40

25

63

90

10

20

20






10

25

32

50











## PVC PRESSURE PIPES AND FITTINGS

		BAR	DIMENSIONS Ø mm								
			16	20	25	32	40	50	63	90	110
	PVC hollander	10		●	●	●	●	●	●		
	R2G threaded reducing adapter (internal)	10				G 1/2"		G 3/4"			
	K stop plug	10		●							
	Loose flange intermediate bushes	10							●	●	
	Main ball valve with plastic material case	10			G 3/4" G 1"						
	Main ball valve	10			G 3/4"						

## PVC KM PRESSURE PIPES AND FITTINGS

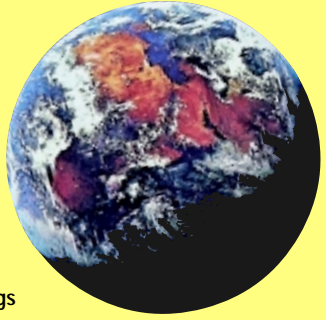
		BAR	90	110	140	160	225	280	315	450
	PVC KM pressure pipe		6	●	●		●	●	●	●
		10	●	●	●	●	●	●	●	●
		16	●	●		●	●			
	Double socket MM-KS	6-10	●	●	●	●	●	●	●	●
		16	●	●		●	●			
	Sliding socket U-KS	6-10	●	●	●	●	●	●	●	●
		16	●	●		●	●			
	Socketed bent pipe, degree 11°, 22°, 30°, 45° MK-KS	6-10	●	●	●	●	●	●	●	
		16	●	●		●	●			

# PVC KM PRESSURE PIPES AND FITTINGS

		DIMENSIONS Ø mm								
		BAR	90	110	140	160	225	280	315	450
	Socketed bent pipe 90°	6-10	●	●	●	●	●	●	●	
	MO-KS	16	●	●		●	●			
	AC sleeved joining piece KM-AM	6-10	●	●	●	●	●	●	●	
	AC plain joining piece KM-AS	6-10	●	●	●	●	●	●	●	
	Reducing piece MR-KS	6-10		90	110	140	160	225	280	
	PVC tapping saddle KDAS	6-10	63	63		63	63			
	PVC tapping saddle KDAS-ABO	6-10	G 3/4"	G 3/4"		G 3/4"	G 3/4"			
		6-10	G 1"	G 1"		G 1"	G 1"			
	PVC pressurised tapping saddle KDAS-Ny	6-10	G 3/4"	G 3/4"		G 3/4"	G 3/4"			
		6-10	G 1"	G 1"		G 1"	G 1"			
	PVC flanged-sleeved joining element PVC-E	6-10	●	●		●				
	PVC flanged-plain joining PVC-F	6-10	●	●		●				
	Flanged-sleeved T piece 90° PVC-MMA	6-10	90	90		90	90			
		6-10		110		110	110			
		6-10				160	160			

# PVC KM PRESSURE PIPES AND FITTINGS

		BAR	DIMENSIONS Ø mm							
			90	110	140	160	225	280	315	450
	Flanged T piece 90° PVC-T	6-10	90	90		90				
		6-10		110		110				
		6-10				160				
	Sleeved T piece 90° PVC-MMB	6-10	63	63		90	90			
		6-10	90	90		110	110			
		6-10		110		160	160			
		6-10					225			
	PVC quick joining flange PVC-K	6-10	●	●		●				
	PVC loose flange PVC-L	6-10	●	●		●				
	PVC gate valve with flange	6-10	●	●		●				
	PVC sleeved gate valve	6-10	●	●		●				
	Lengthening rod for gate valve		●	●		●				
	Lengthening rod for gate valve, with extension		●	●		●				
	Gate valve stopper		●	●		●				



PannonPipe Ltd. distributes also fittings and cast fittings that may be used with efficiency at the realization of KM pressure pipes.

Products are delivered in two ways:

- ① Cast fittings GGG DUKTIL (with globular graphite):
  - with plastic material protective layer, both inside and outside,
  - with enamel protective layer internally, and plastic material externally.
- ② Cast fittings, grey, GG (with graphite sheet).

#### CAST FITTINGS

EKS sleeved and flanged GGG and GG

FKS with flange and plain end GGG and GG

MMA-KS sleeved and flanged branching piece GGG and GG

MMB-KS T sleeved piece GGG and GG

MMC-KS sleeved branching piece 45° GGG

MMBB-KS cross sleeved piece 90° GGG

T-KS T-piece with flange GGG and GG

MMI-KS sleeved piece with threaded arm GGG and GG

MMR-KS reducer with double casing GGG

EN-KS angle piece (duck bend) sleeved and flanged GGG

QN angle piece (duck bend) with double flange GGG and GG

Q elbow with double flange G and GG

MMQ-KS elbow with double casing 11°-90° GGG

X blank flange GGG and GG

FF double flanged socket G and GG

FFR double flanged reducer G and GG

ABOR discharge bridge GG

Drawing safeguard GGG

Cleaning piece GGG

E-FLEX telescopic sleeved and flanged piece

U-FLEX fitting with double casing GGG

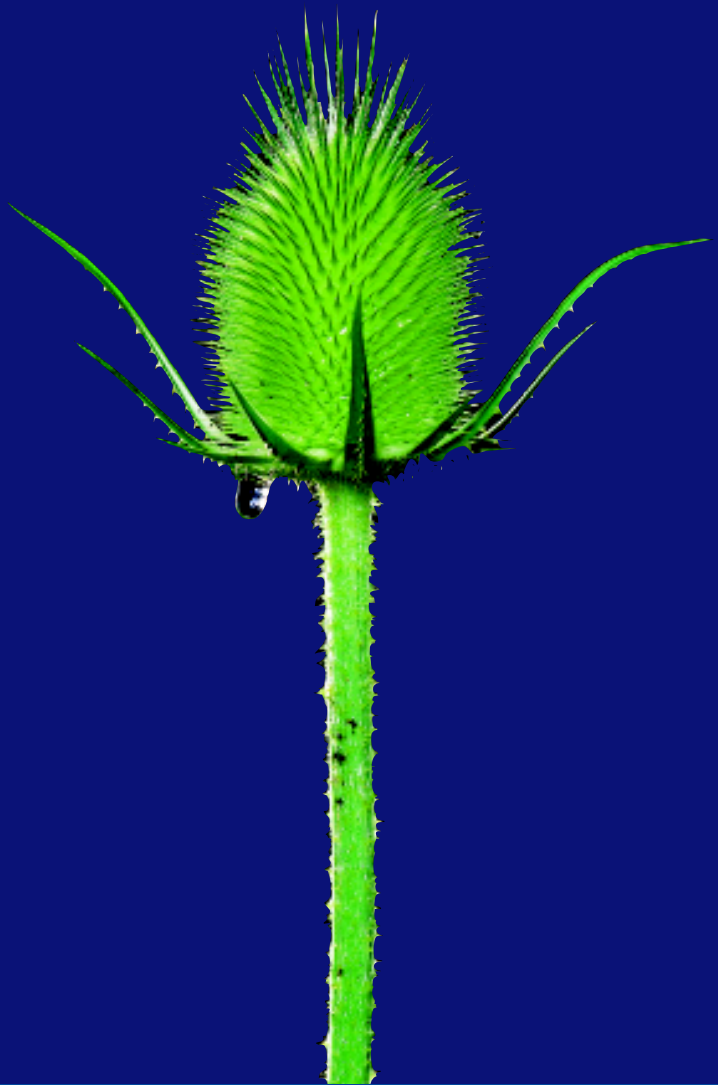
MMB-FLEX telescopic sleeved T-piece GGG

MMA-FLEX flexible sleeved and flanged T-piece GGG

Locking gate valve GGG

Lengthening rod for locking gate valve with extension.

**YOUR DISTRIBUTOR**



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