

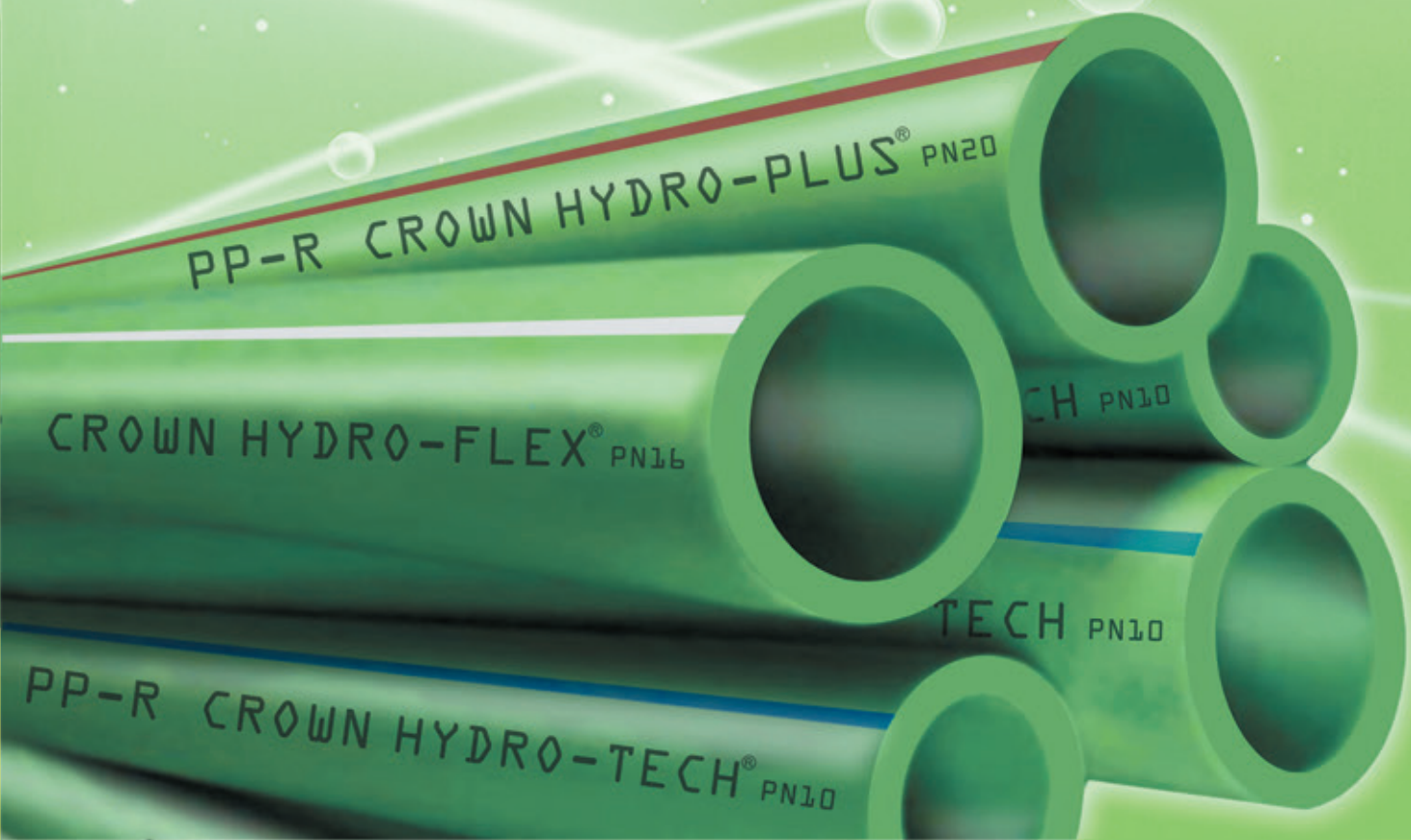


Premium Performance & Reliability
CROWN® PP-R
Hot & Cold Pipes & Fittings

CROWN *HYDRO-PLUS*® PN20

CROWN *HYDRO-FLEX*® PN16

CROWN *HYDRO-TECH*® PN10





The CROWN® PP-R Series adheres to International Standards, are manufactured with high grade quality materials for maximum safety, strength and durability to suit your essential needs for a wide range of hot and cold water applications.


Premium performance and reliability comes with each product, consistent with the brand's commitment to safety and quality excellence.

CROWN PP-R PIPES CONFORM TO DIN 8077, DIN 8078 & ISO 15874 STANDARDS.

CROWN® PP-R PIPES

CROWN <i>HYDRO-PLUS</i> ® PN20	SPECIFICATION			PRICE
	OUTSIDE DIAMETER (mm)	INSIDE DIAMETER (mm)	WALL THICKNESS (mm)	
	20	13.2	3.40	385.00
	25	16.6	4.20	596.00
	32	21.2	5.40	980.00
	40	26.6	6.70	1,522.00
	50	33.4	8.40	2,384.00
	63	42.0	10.50	3,761.00
	75	50.0	12.50	5,331.00
	90	60.0	15.00	7,677.00
	110	73.4	18.30	11,451.00
	160	107.0	26.60	24,213.00

CROWN <i>HYDRO-FLEX</i> ® PN16	SPECIFICATION			PRICE
	OUTSIDE DIAMETER (mm)	INSIDE DIAMETER (mm)	WALL THICKNESS (mm)	
	20	14.4	2.80	329.00
	25	18.0	3.50	513.00
	32	23.2	4.40	829.00
	40	29.0	5.50	1,295.00
	50	36.2	6.90	2,029.00
	63	45.8	8.60	3,192.00
	75	54.4	10.30	4,547.00
	90	65.4	12.30	6,521.00
	110	79.8	15.10	9,778.00
	160	116.0	21.90	20,637.00

CROWN <i>HYDRO-TECH</i> ® PN10	SPECIFICATION			PRICE
	OUTSIDE DIAMETER (mm)	INSIDE DIAMETER (mm)	WALL THICKNESS (mm)	
	20	16.2	1.90	235.00
	25	20.4	2.30	356.00
	32	26.2	2.90	576.00
	40	32.6	3.70	917.00
	50	40.8	4.60	1,425.00
	63	51.4	5.80	2,264.00
	75	61.4	6.80	3,165.00
	90	73.6	8.20	4,577.00
	110	90.0	10.00	6,824.00
	160	130.8	14.60	14,485.00

PIPES DISCOUNT: _____

* Standard cutting length is 4 meters/pipe.

ADVANTAGES & FEATURES

Convenient and practical • Corrosion-free
 Easy to install • International Standards
 Leak proof • Less noise flow rate
 Long lasting • Maximum safety
 Non-toxic and lead-free • Resistance against abrasion

APPLICATIONS

- Agriculture
- Compressed Air Systems
- Drinking Water
- Heating Systems
- Hydraulic Works
- Watering Systems & Green Houses

TESTED BY:




ACCREDITED BY:


Philippine Accreditation Office





CROWN® PP-R FITTINGS

CROWN PP-R FITTINGS CONFORM TO DIN 16962 & ISO 15874 STANDARDS.


PRODUCT	SIZE	PRICE
COUPLING 	20mm	12.00
	25mm	19.00
	32mm	28.00
	40mm	53.00
	50mm	93.00
	63mm	200.00
	75mm	285.00
	90mm	420.00
	110mm	882.00
	160mm	2,040.00


PRODUCT	SIZE	PRICE
COUPLING REDUCER 	25 x 20mm	16.00
	32 x 20mm	25.00
	32 x 25mm	32.00
	40 x 20mm	41.00
	40 x 25mm	46.00
	40 x 32mm	50.00
	50 x 20mm	71.00
	50 x 25mm	80.00
	50 x 32mm	86.00
	50 x 40mm	91.00
	63 x 20mm	122.00
	63 x 25mm	127.00
	63 x 32mm	131.00
	63 x 40mm	145.00
	63 x 50mm	146.00
	75 x 40mm	218.00
	75 x 50mm	220.00
	75 x 63mm	282.00
	90 x 50mm	323.00
	90 x 63mm	371.00
	90 x 75mm	416.00
	110 x 63mm	708.00
110 x 75mm	740.00	
110 x 90mm	840.00	
160 x 110mm	1,587.00	

PRODUCT	SIZE	PRICE
ELBOW 45 	20mm	19.00
	25mm	33.00
	32mm	45.00
	40mm	80.00
	50mm	188.00
	63mm	275.00
	75mm	360.00
	90mm	558.00
	110mm	1,108.00
160mm	3,120.00	

PRODUCT	SIZE	PRICE
ELBOW 90 	20mm	18.00
	25mm	33.00
	32mm	50.00
	40mm	95.00
	50mm	157.00
	63mm	297.00
	75mm	503.00
	90mm	720.00
	110mm	1,587.00
	160mm	3,893.00

PRODUCT	SIZE	MALE/FEMALE	
		PRICE	PRICE
MALE/FEMALE THREADED ELBOW 	20mm x 1/2 in	122.00	113.00
	20mm x 3/4 in	172.00	146.00
	25mm x 1/2 in	147.00	135.00
	25mm x 3/4 in	182.00	156.00
	32mm x 1/2 in	157.00	145.00
	32mm x 3/4 in	210.00	181.00
	32mm x 1 in	420.00	334.00
	40mm x 1 1/4 in	645.00	451.00


PRODUCT	SIZE	PRICE
ELBOW REDUCER 	25 x 20mm	27.00
	32 x 20mm	36.00
	32 x 25mm	45.00
	50 x 32mm	157.00
	75 x 32mm	302.00

PRODUCT	SIZE	PRICE
END CAP 	20mm	9.00
	25mm	15.00
	32mm	25.00
	40mm	50.00
	50mm	77.00
	63mm	155.00
	75mm	210.00
	90mm	410.00
	110mm	598.00

PRODUCT	SIZE	MALE/FEMALE	
		PRICE	PRICE
MALE/FEMALE THREADED ADAPTER 	20mm x 1/2 in	110.00	100.00
	20mm x 3/4 in	160.00	133.00
	25mm x 1/2 in	116.00	105.00
	25mm x 3/4 in	165.00	135.00
	32mm x 1/2 in	151.00	125.00
	32mm x 3/4 in	190.00	151.00
	32mm x 1 in	381.00	283.00
	40mm x 1 1/4 in	587.00	397.00
	50mm x 1 1/2 in	867.00	555.00
	63mm x 2 in	1,242.00	793.00
	75mm x 2 1/2 in	1,901.00	1,088.00
	90mm x 3 in		

PRODUCT	SIZE	MALE/FEMALE	
		PRICE	PRICE
MALE/FEMALE THREADED TEE 	20mm x 1/2 in	126.00	116.00
	20mm x 3/4 in	177.00	148.00
	25mm x 1/2 in	147.00	137.00
	25mm x 3/4 in	200.00	175.00
	32mm x 1/2 in	151.00	152.00
	32mm x 3/4 in	215.00	190.00
	32mm x 1 in	435.00	327.00
	40mm x 1 1/4 in	645.00	452.00

PRODUCT	SIZE	MALE/FEMALE	
		PRICE	PRICE
MALE/FEMALE ELBOW WALL PLATE 	20mm x 1/2 in	132.00	112.00
	25mm x 3/4 in	185.00	158.00

PRODUCT	SIZE	PRICE
PIPE CLAMP 	20mm	8.00
	25mm	9.00
	32mm	11.00
	40mm	13.00
	50mm	18.00
63mm	22.00	

PRODUCT	SIZE	PRICE
SHORT BRIDGE OR BEND PIPE 	20mm	56.00
	25mm	101.00
	32mm	180.00
	40mm	287.00

PRODUCT	SIZE	PRICE
STOP VALVE 	20mm	475.00
	25mm	570.00
	32mm	1,207.00
	40mm	1,301.00
	50mm	2,651.00
	63mm	2,835.00
75mm		


PRODUCT	SIZE	STUB END/FLANGE	
		PRICE	PRICE
STUB END WITH FLANGE 	75mm	207.00	270.00
	90mm	283.00	345.00
	110mm	405.00	357.00
	160mm	680.00	510.00


FITTINGS DISCOUNT: _____

Effective on January 1, 2024, prices are subject to change without prior notice.


CROWN® PP-R

CROWN® PP-R FITTINGS



PRODUCT	SIZE	PRICE
 TEE	20mm	23.00
	25mm	42.00
	32mm	60.00
	40mm	110.00
	50mm	194.00
	63mm	355.00
	75mm	589.00
	90mm	994.00
	110mm	1,685.00



TEE REDUCER	SIZE	PRICE
	25 x 20mm	35.00
	32 x 20mm	50.00
	32 x 25mm	55.00
	40 x 20mm	77.00
	40 x 25mm	86.00
	40 x 32mm	90.00
	50 x 20mm	140.00
	50 x 25mm	145.00
	50 x 32mm	148.00
	50 x 40mm	175.00
	63 x 20mm	224.00
	63 x 25mm	257.00
	63 x 32mm	272.00
	63 x 40mm	276.00
	63 x 50mm	330.00
	75 x 32mm	424.00
	75 x 40mm	432.00
	75 x 63mm	481.00
	90 x 20mm	520.00
	90 x 25mm	536.00
	90 x 32mm	540.00
	90 x 40mm	545.00
	90 x 50mm	593.00
	90 x 63mm	681.00
	90 x 75mm	760.00
	110 x 50mm	1,171.00
	110 x 63mm	1,240.00
	110 x 75mm	
110 x 90mm	1,485.00	
160 x 110mm	3,697.00	

UNION PATENTE	SIZE	PRICE
	20mm	60.00
	25mm	85.00
	32mm	120.00
	40mm	185.00
	50mm	260.00
	63mm	435.00
	75mm	914.00

	PIPE CUTTER	
	CUTTING RANGE	PRICE
	20mm-63mm	2,600.00
	50mm-110mm	11,180.00
110mm-200mm	29,380.00	

CROWN® QUALITY TOOLS

SOCKET WELDER			
MODEL NO. BDCC 32	MODEL NO. BDCC 63	SPECIFICATIONS	
		BDCC-32	BDCC-63
		Welding Range (mm)	20, 25, 32, 40, 50, 63
		Operating voltage (V/Hz)	220/60
The maximum temperature of the heating plate (°C)		279	279
Heating plate surface temperature (°C)		± 5	± 5
Heating Time (<min)		10	10
Total power (W)		600	800
The machine weight (KG)		4.5	6.5
Dimensions (mm)		425x140x90	440x260x130
PRICE		6,240.00	10,400.00

MODEL NO. BDCC 110	MODEL NO. BDCC 160	SPECIFICATIONS	
		BDCC-110	BDCC-160
		Welding Range (mm)	75, 90, 110, 160
		Operating voltage (V/Hz)	220/60
The maximum temperature of the heating plate (°C)		279	279
Heating plate surface temperature (°C)		± 5	± 5
Heating Time (<min)		10	10
Total power (W)		1200	2500
The machine weight (KG)		8.5	9.8
Dimensions (mm)		440x260x130	528x402x108
PRICE		14,820.00	29,900.00

EASY TO INSTALL SYSTEM



CUTTING

HEATING

CONNECTING

PP-R PROPERTIES

PROPERTY	TEST METHOD	UNIT OF MEASUREMENT	TEST VALUE
Coefficient of thermal linear expansion	VDE 0304 Section 1 5 4	K ⁴	1.5 x 10 ⁴
Density at 23°C	ISO 1183	g/cm ³	0.905
Dielectric constant	DIN 53483	-	2.3
Impact test (Charpy)	DIN 8078	-	no breakage
Loss factor	DIN 53483	-	< 5 x 10 ⁴
Melting zone	DIN 53736 B2	°C	150-154
Melting index	MFI 190/5 ISO 1133 procedure 18 MFI 230/2.16 ISO 1133 procedure 12 MFI 230/5 -	g/10 min g/10 min g/10 min	0.5 0.3 1.5
Modulus of elasticity	ISO 527	N/mm ²	700
Specific heat at 20°C	Adiabatic calorimeter	kJ/kg K	2.0
Thermal conductivity at 20°C (λ)	DIN 52612	W/m K	0.24
Ultimate Strength	ISO 527	N/mm ²	40
Ultimate elongation	speed 50mm/min Test piece 1 B	%	> 5
Viscosity J	ISO 1628T3	cm ³ /g	430
Volume resistivity	DIN 53482	ohm cm	> 1 x 10 ¹⁶

A QUALITY PRODUCT MANUFACTURED BY :

CROWN ASIA CHEMICALS CORPORATION

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Valenzuela Plant & Office: 8277-0880 loc. 122 - 132 • Guiguinto, Bulacan Plant & Office: (044) 794-0268 to 70
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ISO 9001 : 2015 CERTIFIED