

# RHINO®

## 171-180 Series

**NON METALLIC LIQUIDTIGHT CONDUIT**

**MATERIAL:** Spiral reinforced PVC  
(172—Compounded for resistance to heavy oil saturation)

**CONSTRUCTION:** Smooth bore  
Smooth exterior

**FLEXIBILITY:** Medium flexibility

**APPLICATION:** Food processing  
Mining equipment  
Steel works  
Marine use  
Direct burial

TEMPERATURE RATING & COLOUR:		
GREY	171 Series	-25°C – +60°C
GREEN	172 Series	-25°C – +80°C
ORANGE	178 Series	-25°C – +105°C
BLACK	180 Series	-20°C – +80°C

**PROTECTION INDEX:** IP67

**UV RESISTANCE:** Superior

**FLAME RETARDED:** UL 94 VO Self extinguishing

**STANDARDS:** AS 2053 Parts 1 & 5  
UL Listed E-123464  
CE

Directive 2002/95/EC RoHS: RoHS No. 016/06

TRADE SIZE	mm			(mm)			(m)		943		949		947		978				
	STANDARD	171	172	178	180	INTERNAL DIAMETER	EXTERNAL DIAMETER	COIL LENGTH	METRIC STRAIGHT	THREAD	NPT STRAIGHT	THREAD	PACK QUANTITY	MINIMUM QUANTITY	METRIC 90° ANGLE	THREAD	NPT 90° ANGLE	THREAD	PACK QUANTITY
16	171.012	172.012	178.012	180.012	12.55	17.65	30	943.012	20 x 1.5	949.012	½"	50	10	947.012	20 x 1.5	978.012	½"	50	10
20	171.016	172.016	178.016	180.016	16.05	21.97	30	943.016	20 x 1.5	949.016	½"	50	10	947.016	20 x 1.5	978.016	½"	50	10
25	171.021	172.021	178.021	180.021	21.08	26.29	30	943.021	25 x 1.5	949.021	¾"	25	5	947.021	25 x 1.5	978.021	¾"	25	5
32	171.026	172.026	178.026	180.026	26.82	32.94	30	943.026	32 x 1.5	949.026	1"	25	5	947.026	32 x 1.5	978.026	1"	25	5
40	171.035			180.035	35.56	41.65	30	943.035	40 x 1.5	949.035	1¼"	10	2	947.035	40 x 1.5	978.035	1¼"	10	2
50	171.040			180.040	40.38	47.67	30			949.040	1½"	10	2			978.040	1½"	10	2
63	171.050			180.050	51.69	59.74	30			949.050	2"	10	2			978.050	2"	10	2

## FITTINGS\*

### Straight

(metallic fittings on p.13 are suitable for use with these conduits)  
**PG & GAS ALSO AVAILABLE**



Metric & NPT  
943 & 949

### Angle 90°

**PG & GAS ALSO AVAILABLE**



Metric & NPT  
947 & 978

### GENERAL CHEMICAL RESISTANCE

Ammonia	Lubricating Oils, Greases,
Animal Fats & Oils	Soaps
Borax	Mineral Oil
Boric Acid	Nitric Acid 10%
Brine	Nitric Acid 35%
Carbon Dioxide	Oleic Acid
Carbonic Acid	Oxalic Acid
Castor Oil	Phosphoric Acid
Caustic Soda 40%	Potassium Hydroxide
Citric Acid	Silicone Oil
Corn Oil	Sodium Cyanide
Diethyl Ether	Sodium Hydroxide
Glycerine	Sulfuric Acid 50%
Grease	Tannic Acid
Hydrobromic Acid	Vegetable Oils & Juices
Hydrochloric Acid 10%	Vinegar
Hydrogen Peroxide 10%	Water
Linseed Oil	

### \*FITTING CHARACTERISTICS

943, 947, 949, 978

**MATERIAL:** Hi-Impact PVC

**APPLICATION:** Wet and harsh areas

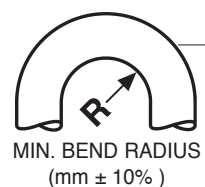
**TEMPERATURE RATING:** -20°C – +80°C

**PROTECTION INDEX:** IP67

**UV RESISTANCE:** Superior

**FLAME RETARDED:** UL 94 VO Self extinguishing

**STANDARDS:** Meets AS 2053 Parts 1 & 5  
CE  
UL Listed Spec 514b  
Exceeds UL 68Kg 5mins pull-out test



SIZE	16	20	25	32	40	50	63
(171)	50	70	90	140	190	240	270
(172)	50	70	90	140	190	240	270
(178)	50	70	90	140	190	240	270
(180)	50	70	90	140	190	240	270