

PVC DRAINAGE SYSTEM



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ABOUT RIIFO

RIIFO is a leading multinational corporation, providing one-stop piping solutions applied in residential, commercial, agricultural, industrial, and infrastructural sectors. Relentless reinventing since 1996, with over 8,000 employees, 70 branches & subsidiaries, and 300,000 distributors, we have served customers in more than 100 countries and regions.

With an integrated value chain, from R&D to manufacturing and retail distribution, we strive to fulfill our mission of offering ideal piping products and services to everyone.

8,000

Employees

300,000

Distributors worldwide

100+

Serving over 100
countries & regions

70

Branches & Subsidiaries



INNOVATION

Believing that innovation is the key to go beyond the ordinary, RIIFO has founded one world-class lab recognized and certified by CNAS. Over 600 innovation talents have spared no effort to challenge industrial boundaries, achieving 923 patents and 20 technology awards.

And this innovative passion has perfectly presented on high quality products and outstanding services, we strive to offer ideal piping solutions to everyone.



SCALE

We adopt highly automated production lines with the most rigorous and comprehensive production control, and management system to handle such a powerful production.

Facility

11

Global production bases

5,200+

Production staffs

200

Hectares area totally

4,000+

Automated production lines

Capacity

Production Capacity

- Pipe: **3.2 billion** m/yr
- Fitting: **1.3 billion** pcs/yr

Storage Capacity

- **1,735,000 m³** ≈ 61,950 TEU (20 GP Containers)

RIIFO APPROVALS

RIIFO adhere to the concept of quality priority, all RIIFO products are produced under rigorous quality control with excelsior manufacturing. Until now, RIIFO has gained over 50 certificates, such as NSF, DVGW, AENOR, WRAS Watermark, etc. These certificates worldwide underline our technical and quality know-how, and we can provide you with 25 years system warranty backed up by an international insurance company.

Group Honor



Piping Systems





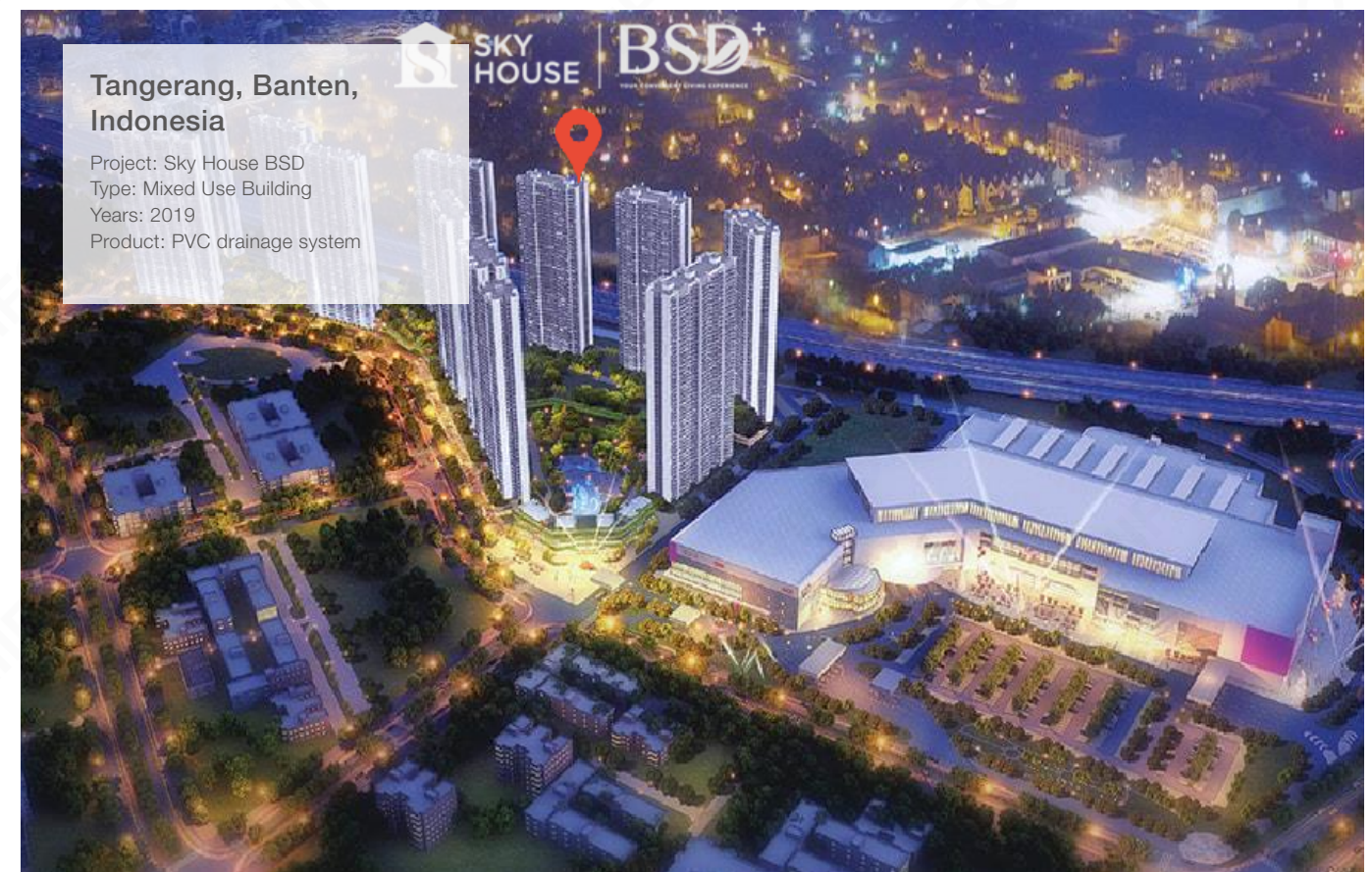
PROJECT REFERENCE

PROJECT REFERENCE



Yadot Tower, Ethiopia

Project: Yadot Tower Project
Type: Mix-use building
Year: 2021
Product: PVC System



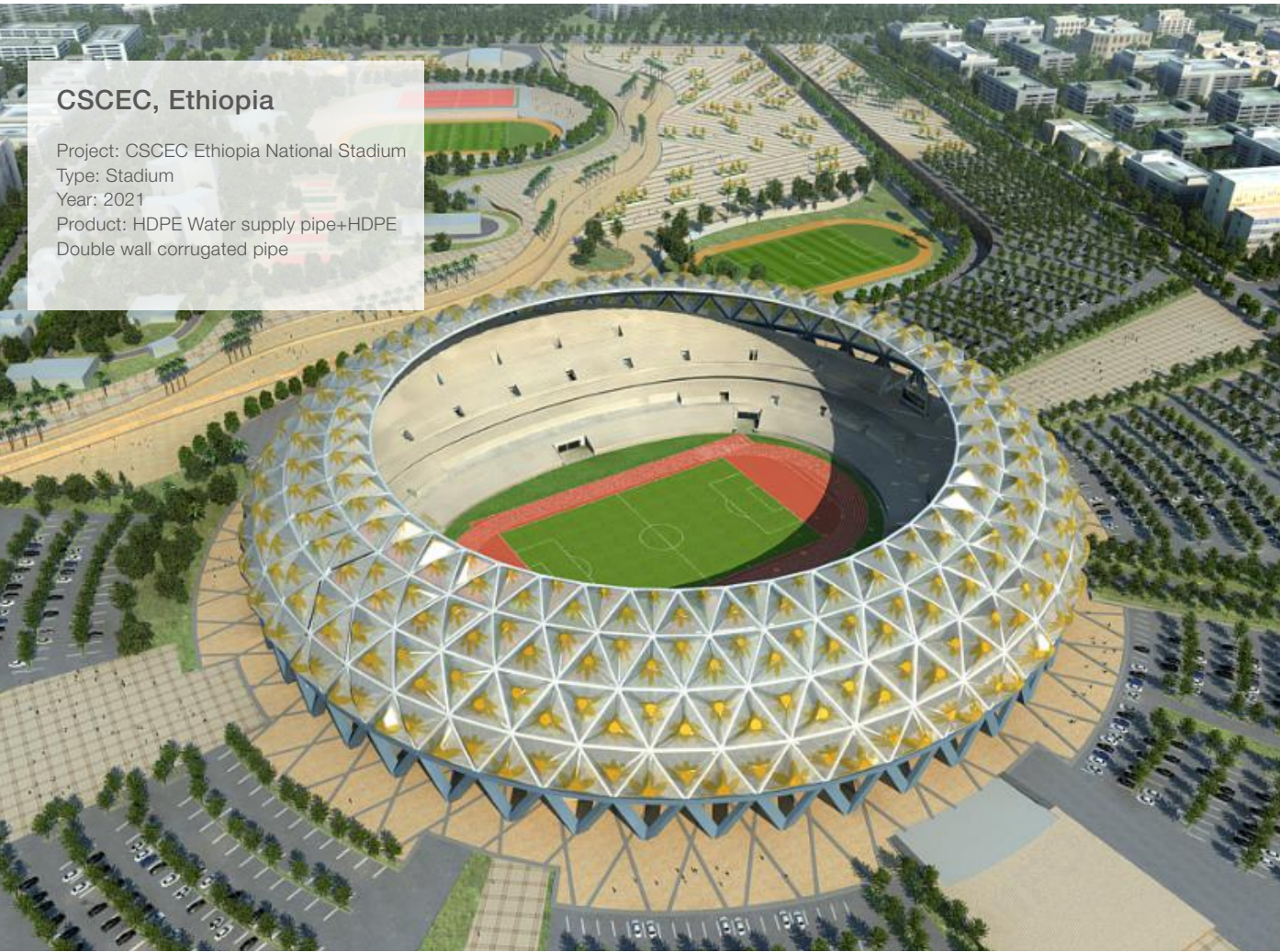
Tangerang, Banten, Indonesia

Project: Sky House BSD
Type: Mixed Use Building
Years: 2019
Product: PVC drainage system

PROJECT REFERENCE

Century Addis Real Estate, Ethiopia

Project: Century Addis Real Estate-
Brass Apartment Project
Type: Apartment
Year: 2021
Product: PVC System



Kidus Commercial Center, Ethiopia

Project: Kidus Commercial Center
Type: Apartment
Year: 2021
Product: PVC System

PROJECT REFERENCE

Kazanchis, Ethiopia

Project: Kazadis Plaza Mix-use G+19 Buidling
Type: Commercial
Year: 2019
Product: Multilayer Plumbing System

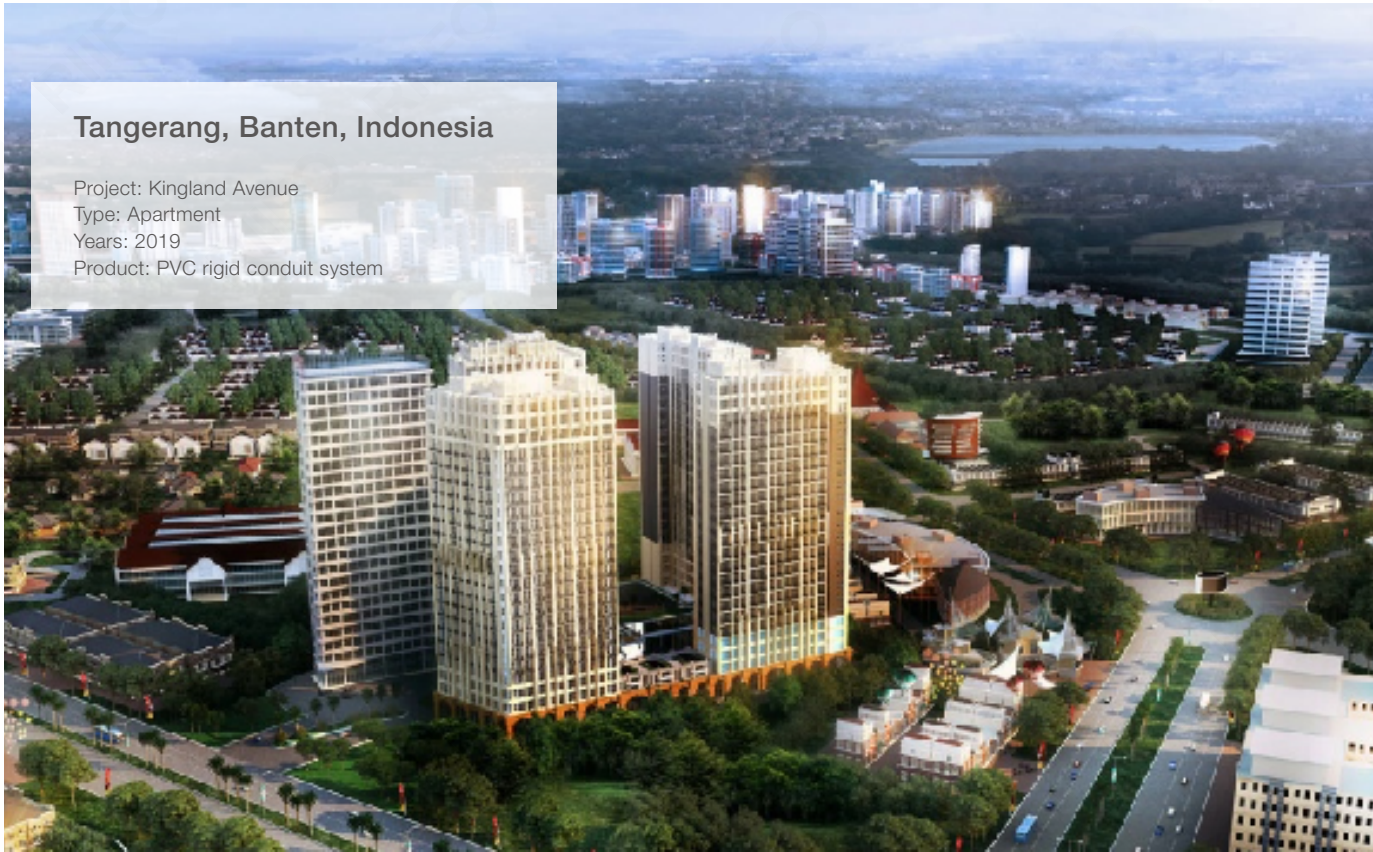


Durban, South Africa

Project: Discovery Building
Type: Commercial
Year: 2017
Product: Multilayer Plumbing System

Tangerang, Banten, Indonesia

Project: Kingland Avenue
Type: Apartment
Years: 2019
Product: PVC rigid conduit system



Jakarta, Indonesia

Project: Perguruan Tinggi Ilmu
Kepolisian
Type: Education
Years: 2020
Product: PVC rigid conduit system

RIIFO PVC DRAINAGE SYSTEM

RIIFO PVC DRAINAGE SYSTEM

RIIFO PVC drainage piping system, made out of high quality polyvinyl chloride resins and imported processing additives. It has an advantage of high impact resistance, low noise and smooth inner wall, which make it widely used for high-rise building drainage. In addition, it is approved and certified by CE for its reliability and safety in drainage system.

Moreover, RIIFO has launched its helix and hollow spiral series, bringing more choices to global customers.

Advantages



Light weight and convenient to transport.



Environmental protection and safety, recognized by EPD and CE.



Strong flame retardancy, extinguish after leaving the flame for 30 seconds.



No need for special installation tools, ease and security of installation.



Low coefficient of roughness and smooth walls for a faster downstream.



Outstanding water-tightness performance with high-quality adhesive.



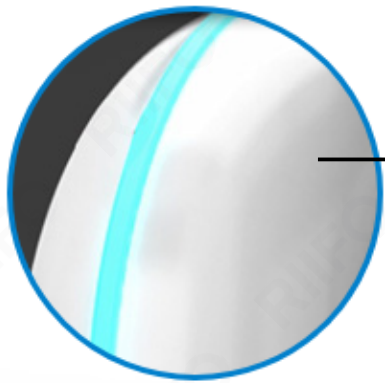
Excellent physical and chemical properties ensure better tensile strength and durability.



Good flexibility and high impact resistance, flat test can reach more than 40% without cracking.



RIIFO PVC FITTINGS



Stiffeners

Unique stiffeners structure improves impact resistance, scientific design and more durable.



TECHNICAL DATA

PVC Properties

Term	Index	Term	Index
Density /(kg/m ³)	1350 ~ 1550	Maximum working temperature /°C	60 ~ 70
Coefficient of linear expansio n/(×10-5m/m.°C)	6 ~ 12	Thermal conductivity /[W/(m.K)]	0.12 ~ 0.20
Tensile strength /MPa	35 ~ 45	Coefficient of friction	0.45
Elongation at break/%	60 ~ 120	Insulation resistance (Ω)	≥ 10 ⁸
Bending strength/MPa	65 ~ 110	Dielectric strength/(kV/mm)	≥ 2.0
Compressive strength/MPa	50 ~ 80	Oxygen Index/%	≥ 32
Shore hardness D	70 ~ 90	Self-extinguishing time from fire/sec	≤ 30

PVC Pipe

Term	Index	Test standards
Density /(kg/m ³)	1350 ~ 1550	GB/T 1033.1-2008
Vicat softening temperature/°C	≥ 79	GB/T 8802-2001
Longitudinal retraction rate/%	≤ 5	GB/T 6671-2001
Tensile yield stress/MPa	≥ 40	GB/T 8804.2-2003
Elongation at break/%	≥ 80	GB/T 8804.2-2003
Drop hammer impact test TIR/%	≤ 10	GB/T 14152-2001
Flat test	No broken	GB/T 9647-2015

PVC Fitting

Term	Index	Test standards
Density /(kg/m ³)	1350 ~ 1550	GB/T 5836.2-2006
Vicat softening temperature/°C	≥ 74	GB/T 5836.2-2006
Oven test	No cracking	GB/T 5836.2-2006
Drop test	No broken	GB/T 5836.2-2006

Standards

- ISO 3633:2002
- GB/T 5836.2-2018
- GB/T 5836.1-2018
- GB/T 33608-2017

Certificates





SPECIFICATIONS

RIIFO PVC Pipes

Solid pipes I



Specif.	Packing Specif. (m)	Color
PVC-U-50x2.0	5.8	White
PVC-U-75x2.3	5.8	White
PVC-U-110x2.8	5.8	White
PVC-U-160x3.5	5.8	White
PVC-U-200x4.0	5.8	White

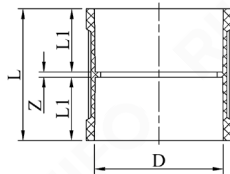
Solid pipes II



Specif.	Packing Specif. (m)	Color
PVC-U-32x2.0	5.8	White
PVC-U-40x2.0	5.8	White
PVC-U-50x2.0	5.8	White
PVC-U-75x2.3	5.8	White
PVC-U-90x3.0	5.8	White
PVC-U-110x3.2	5.8	White
PVC-U-125x3.2	5.8	White
PVC-U-160x4.0	5.8	White
PVC-U-200x4.9	5.8	White
PVC-U-250x6.2	5.8	White
PVC-U-315x7.7	5.8	White

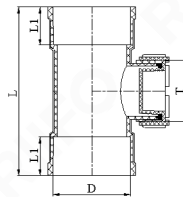
RIIFO PVC Fittings

Straight coupling



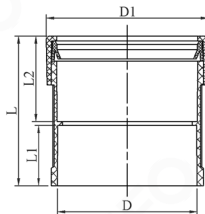
Specif.	pcs/ctn.	D	L	L1	Z
F30-S32x32	630	32	46	22	2
F30-S40x40	330	40	52	25	2
F30-S50x50	220	50	52.2	25	2
F30-S75x75	120	75	82.3	40	2
F30-S90x90	72	90	95	46	3
F30-S110x110	48	110	99.3	48	3
F30-S125x125	36	125	105	51	3
F30-S160x160	36	160	120.3	58	4
F30-S200x200	24	200	126	60	6
F30-S250x250	9	250	164.5	80	4.5
F30-S315x315	4	315	186	90	6

Vertical pipe cleanout



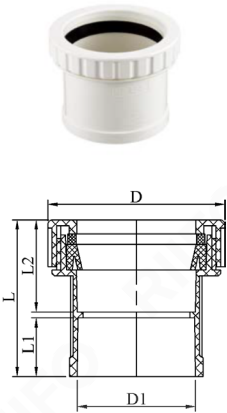
Specif.	pcs/ctn.	D	L	L1	T
F30-S50x50	75	50	110	25	40
F30-S75x75	50	75	160	40	60
F30-S110x110	34	110	220	48	85
F30-S160x160	16	160	260	58	110
F30-S200x200	8	200	310	60	170

Simple expansion joint

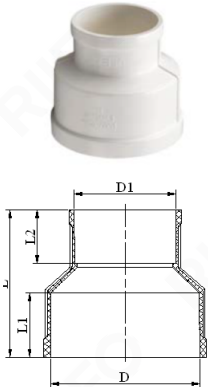


Specif.	pcs/ctn.	D	D1	L	L1	L2
F30-E50x50	156	50	62	69	25	42
F30-E75x75	96	75	88	100	40	58
F30-E110x110	33	110	127	121	48	70
F30-E160x160	18	160	180	142	58	80
F30-E200x200	18	200	221	148.5	60	84

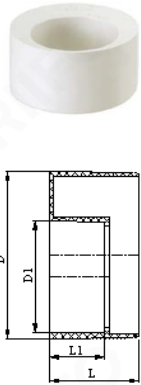
Expansion joint

	Specif.	pcs/ctn.	L	L1	L2	D	D1
	F30-E50x50	112	68	25	41	76	110
	F30-E75x75	60	102	40	59	106	60
	F30-E110x110	60	119	48	68	144	60
	F30-E160x160	21	142	58	79	201	21
	F30-E200x200	18	165	60	100	243	18

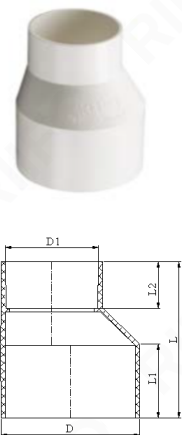
Reducing coupling

	Specif.	pcs/ctn.	D	D1	L	L1	L2
	F30-S75x50	108	75	50	75	40	25
	F30-S110x50	84	110	50	105	48	25
	F30-S110x75	84	110	75	110	48	40
	F30-S160x110	33	160	110	135	58	48
	F30-S200x160	36	200	160	150	60	58

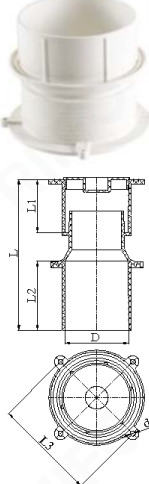
Reducing bush

	Specif.	pcs/ctn.	D	D1	L	L1
	F30-SD40x32	990	40	32	25	22
	F30-SD50x40	570	50	40	27	25
	F30-SD75x50	168	75	50	40	25
	F30-SD110x50	132	110	50	48	25
	F30-SD110x75	132	110	75	48	40
	F30-SD160x110	42	160	110	58	48
	F30-SD200x110	26	200	110	60	48
	F30-SD200x160	24	200	160	61.5	58
	F30-SD250x110	10	250	110	80	48
	F30-SD250x160	12	250	160	80	58
	F30-SD250x200	12	250	200	80	60
	F30-SD315x110	14	315	110	90	48
	F30-SD315x160	7	315	160	90	58
	F30-SD315x200	14	315	200	90	60

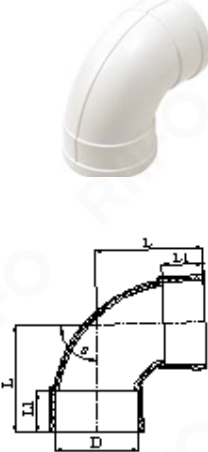
Decentered reducing coupling

	Specif.	pcs/ctn.	D	D1	L	L1	L2
	F30-SP75x50	120	75	50	85	40	25
	F30-SP110x75	96	110	50	126	48	25
	F30-SP110x75	96	110	75	121	48	40
	F30-SP160x110	36	160	110	149	58	48

Built-in straight connector

	Specif.	pcs/ctn.	D	L	L1	L2	L3	d
	F30-S50	120	50	120	42.5	55	80.8	4
	F30-S75	45	75	120	45	55	114	4
	F30-S110	60	110	120	48	52	151	4
	F30-S160	32	160	120	50	58	198.5	5

Elbow

	Specif.	pcs/ctn.	D	L	L1	θ
	F30-L32x32	231	32	46	22	91.5 °
	F30-L40x40	138	40	55	25	91.5 °
	F30-L50x50	90	50	65	25	91.5 °
	F30-L75x75	50	75	90	40	91.5 °
	F30-L90x90	32	90	106	46	91.5 °
	F30-L110x110	40	110	118	48	91.5 °
	F30-L125x125	24	125	129	51	91.5 °
	F30-L160x160	16	160	148	58	91.5 °
	F30-L200x200	8	200	177	60	91.5 °
	F30-L250x250	4	250	165	80	91.5 °
	F30-L315x315	2	315	186	90	91.5 °

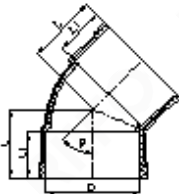
Elbow with cleanout

Specif.	pcs/ctn.	D	L	L1	θ	T
F30-L50x50	70	50	65	25	91.5 °	40
F30-L75x75	50	75	90	40	91.5 °	60
F30-L110x110	32	110	118	48	91.5 °	85
F30-L160x160	16	160	148	58	91.5 °	85
F30-L200x200	5	200	177	60	91.5 °	110

Elbow with cleanout (45°)

Specif.	pcs/ctn.	D	L	L1	θ	T
F30-L50x50	100	50	37	25	45	40
F30-L75x75	45	75	57	40	45°	60
F30-L110x110	40	110	73	48	45°	85
F30-L160x160	18	160	94	58	45°	85
F30-L200x200	8	200	106	60	45°	110

Elbow (45°)



Specif.	pcs/ctn.	D	L	L1	θ
F30-L32x32	364	32	30	22	45°
F30-L40x40	210	40	35	25	45°
F30-L50x50	135	50	37	25	45°
F30-L75x75	90	75	57	40	45°
F30-L90x90	48	90	67	46	45°
F30-L110x110	60	110	73	48	45°
F30-L125x125	36	125	80	51	45°
F30-L160x160	16	160	94	58	45°
F30-L200x200	10	200	106	60	45°
F30-L250x250	6	250	137	80	45°
F30-L315x315	2	315	163	90	45°

Single socket elbow (45°)

Specif.	pcs/ctn.	L	L1	L2	H	D	D1
F30-L50x50	65	174	25	39	126	50	50
F30-L75x75	40	226	40	60	154	75	75
F30-L110x110	32	288	48	77	191	110	110

Elbow (88°)

Specif.	pcs/ctn.	L	L1	e	D
F30-L110x110	36	146	48	88°	110

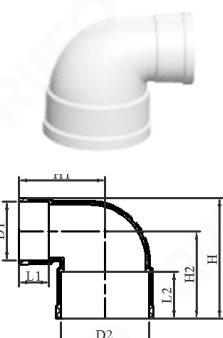
Elbow (135°)

Specif.	pcs/ctn.	D	L	L1	θ
F30-L50x50	80	50	103	25	135°
F30-L75x75	40	75	162	40	135°
F30-L110x110	28	110	209	48	135°

Elbow with cleanout (135°)

	Specif.	pcs/ctn.	D	L	L1	T	θ
	F30-L50x50	60	50	124	25	40	135°
	F30-L75x75	35	75	185	40	60	135°
	F30-L110x110	24	110	235	48	85	135°

Reducing elbow

	Specif.	pcs/ctn.	L1	L2	D1	D2	H1	H2	H
	F30-L50x40	110	20	25	40	50	58	53	76
	F30-L75x50	75	25	40	50	75	73	75	104
	F30-L110x50	36	25	48	50	110	90	93	122
	F30-L110x75	27	40	48	75	110	104	100	142
	F30-L110x90	40	46	48	90	110	114	105	155

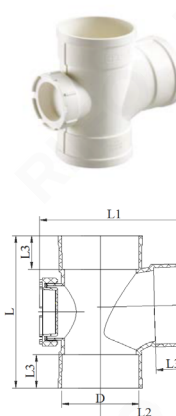
Necking elbow

	Specif.	pcs/ctn.	D	D1	L	L1	L2	L3	θ
	F30-L50	105	50	50	56	25	25	51	90°
	F30-L75	60	75	75	83	40	40	84	90°
	F30-L110	44	110	110	115	48	48	113	90°

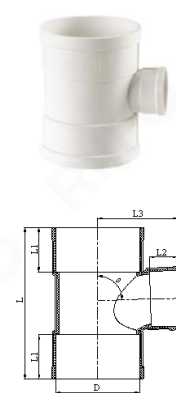
Sweep junction

	Specif.	pcs/ctn.	D	L	L1	L2	θ
	F30-T32x32x32	192	32	86	20	47	91.5 °
	F30-T40x40x40	117	40	98	25	54	91.5 °
	F30-T50x50x50	70	50	106	25	60	91.5 °
	F30-T75x75x75	40	75	166	40	94	91.5 °
	F30-T90x90x90	22	90	195	46	110	91.5 °
	F30-T110x110x110	28	110	219	48	125	91.5 °
	F30-T125x125x125	20	125	239	51	48	91.5 °
	F30-T160x160x160	12	160	295	58	168	91.5 °
	F30-T200x200x200	5	200	341	60	198	91.5 °
	F30-T250x250x250	2	250	430	80	240	91.5 °
	F30-T315x315x315	1	250	545	90	275	91.5 °

Sweep junction with cleanout

	Specif.	pcs/ctn.	L	L1	L2	L3	D
	F30-T110x110x110	24	219	212	125	48	110

Reducing sweep junction

	Specif.	pcs/ctn.	D	D1	L	L1	L2	L3	θ
	F30-T75x50x75	60	75	50	137	40	25	72	91.5 °
	F30-T110x50x110	54	110	50	155	48	25	91	91.5 °
	F30-T110x75x110	36	110	75	184	48	40	112	91.5 °
	F30-T160x75x160	16	160	75	213	58	40	137	91.5 °
	F30-T160x110x160	16	160	110	246	58	48	150	91.5 °
	F30-T200x110x200	10	200	110	252	60	48	170	91.5 °
	F30-T200x160x200	6	200	160	300	60	58	180	91.5 °
	F30-T250x110x250	4	250	110	305	80	48	194	91.5 °
	F30-T250x160x250	4	250	160	360	80	58	200	91.5 °
	F30-T250x200x250	4	250	200	385	80	60	220	91.5 °
	F30-T315x110x315	2	315	110	323	90	48	219	91.5 °
	F30-T315x200x315	1	315	200	—	90	80	—	91.5 °
	F30-T315x250x315	1	315	250	465	90	80	265	91.5 °

Y-branch tee (45°)



Specif.	pcs/ctn.	D	L	L1	L2	θ
F30-T32x32x32	154	32	96	22	65	45°
F30-T40x40x40	96	40	115	25	78.5	45°
F30-T50x50x50	60	50	127	25	89	45°
F30-T75x75x75	35	75	192	40	134	45°
F30-T90x90x90	20	90	227	46	160	45°
F30-T110x110x110	20	110	259	48	186	45°
F30-T125x125x125	16	125	285	51	208	45°
F30-T160x160x160	8	160	249	58	257	45°
F30-T200x200x200	4	200	416.5	60	308.5	45°

Reducing Y-branch tee (45°)



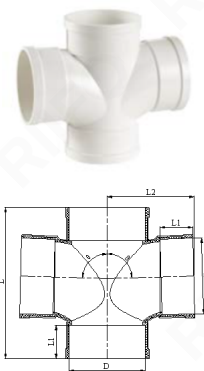
Specif.	pcs/ctn.	D	D1	L	L1	L2	L3	θ
F30-T50x32x50	80	50	32	105	25	79	22	45°
F30-T75x50x75	45	75	50	155	40	105	25	45°
F30-T110x50x110	48	110	50	174	48	134.5	25	45°
F30-T110x75x110	32	110	75	207	48	160.5	40	45°
F30-T160x75x160	16	160	75	242	58	201	40	45°
F30-T160x110x160	12	160	110	280	58	223	48	45°
F30-T200x75x200	10	200	75	262	60	233	40	45°
F30-T200x110x200	7	200	110	291	60	248	48	45°
F30-T200x160x200	4	200	160	361	60	285	58	45°
F30-T250x110x250	4	250	110	334	80	288	40	45°
F30-T250x160x250	3	250	160	410	80	326	58	45°

Tee (88°)



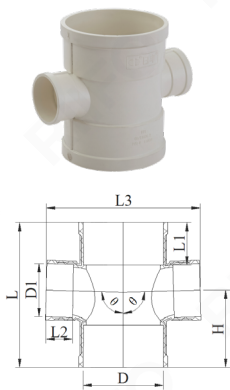
Specif.	pcs/ctn.	L	L1	L2	L3	θ	D
F30-T110x110x110	24	245	144.5	48	145.5	88 °	110

Cross



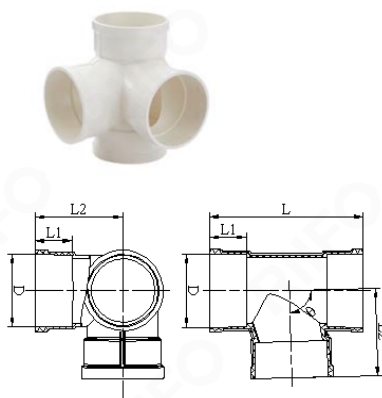
Specif.	pcs/ctn.	D	L	L1	L2	θ
F30-X50x50x50x50	54	50	106	25	60	91.5 °
F30-X75x75x75x75	24	75	166	40	94	91.5 °
F30-X110x110x110x110	20	110	219	48	125	91.5 °
F30-X160x160x160x160	8	160	295	58	168	91.5 °
F30-X200x200x200x200	4	200	341	60	198	91.5 °

Reducing cross



Specif.	pcs/ctn.	L	L1	L2	L3	H	D	D1
F30-X75x50x50x75	45	137	40	25	144	73	75	50
F30-X110x50x50x110	48	155	48	25	182	81	110	50
F30-X110x75x75x110	29	138.5	48	40	224	99.5	110	75
F30-X160x110x110x160	12	246	58	48	300	137	160	110
F30-X200x110x110x200	5	252	60	48	340	138	200	110
F30-X200x160x160x200	5	300	60	58	360	160	200	160

Side outlet tee



Specif.	pcs/ctn.	D	L	L1	L2	θ
F30-X50x50x50x50	50	50	106	25	60	91.5 °
F30-X75x75x75x75	24	75	166	40	94	91.5 °
F30-X110x110x110x110	16	110	219	48	125	91.5 °

Specif.	pcs/ctn.	L	L1	L2	L3	H	D	D1
F30-X75x50x50x75	48	137	25	40	72	73	75	50
F30-X110x50x50x110	45	155	25	48	91	81	110	50
F30-X110x75x75x110	12	184	40	48	112	100	110	75
F30-X160x110x110x160	12	246	58	48	150	137	160	110

Specif.	pcs/ctn.	D	L	L1	L2	θ
F30-X32x32x32x32	105	32	96	22	65	45 °
F30-X40x40x40x40	60	40	115	25	79	45 °
F30-X50x50x50x50	40	50	127	25	89	45 °
F30-X75x75x75x75	16	75	192	40	134	45 °
F30-X110x110x110x110	16	110	259	48	186	45 °
F30-X160x160x160x160	6	160	349	58	257	45°
F30-X200x200x200x200	3	200	417	60	309	45 °

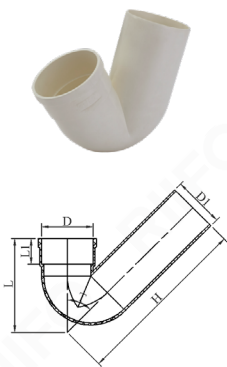
	Specif.	pcs/ctn.	D	D1	L	L1	L2	L3	θ
F30-X50x32x32x50	55	50	32	105	25	22	79	45°	
F30-X75x50x50x75	30	75	50	155	40	25	105	45°	
F30-X110x50x50x110	35	110	50	174	48	25	134.5	45°	
F30-X110x75x75x110	24	110	75	207	48	40	160.5	45°	
F30-X160x75x75x160	12	160	75	243	58	40	201	45°	
F30-X160x110x110x160	6	160	110	280	58	48	223	45°	
F30-X200x75x75x200	8	200	75	262	60	58	233	45°	
F30-X200x160x160x200	3	200	160	361	60	58	285	45°	

Specif.	pcs/ctn.	D						θ	
		D1	L	L1	L2				
F30-H75x75x75	11	75	75	292	40	196	45 °		
F30-H110x75x75	16	110	75	292	48	188	45 °		
F30-H110x75x110	12	110	110	292	48	180	45 °		
F30-H160x75x75	7	160	75	302	58	213	45 °		
F30-H160x75x110	7	160	110	302	58	205	45 °		
F30-H160x75x160	6	160	160	302	58	230	45 °		

Specif.	pcs/ctn.	D	L	L1	θ
F30-W50	90	50	79	25	45°
F30-W75	55	75	120	40	45°
F30-W110	32	110	165	48	45°
F30-W160	15	160	225	58	45°

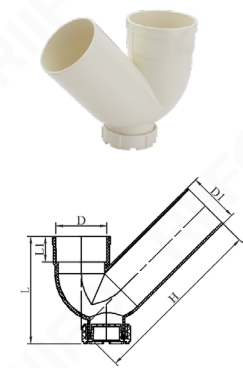
Specif.	pcs/ctn.	D	L	L1	T	θ
F30-W50	70	50	102	25	40	45 °
F30-W75	40	75	145	40	60	45 °
F30-W110	32	110	191	48	85	45 °
F30-W160	12	160	240	58	85	45 °

Single socket trap



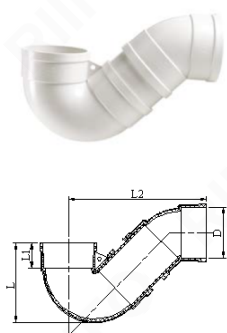
Specif.	pcs/ctn.	L	L1	H	D	D1
F30-W50	50	92	25	173	50	50
F30-W75	30	138	40	227	75	75
F30-W110	24	202	48	255	110	110
F30-W160	9	252	58	370	160	160

Single socket trap with cleanout



Specif.	pcs/ctn.	L	L1	H	D	D1
F30-W50	40	106.3	25	173	50	50
F30-W75	30	154.1	40	227	75	75
F30-W110	24	207.1	48	255	110	110
F30-W160	9	259.3	58	370	160	160

P-trap



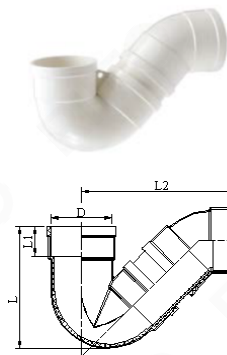
Specif.	pcs/ctn.	D	L	L1	L2
F30-PW50	40	50	79	25	138
F30-PW75	25	75	120	40	198
F30-PW110	16	110	165	48	269
F30-PW160	6	160	225	58	353

P-trap with cleanout



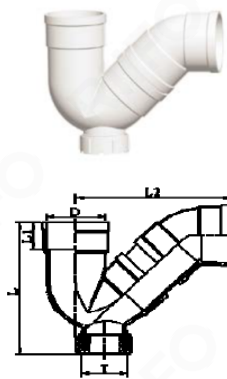
Specif.	pcs/ctn.	D	L	L1	L2	T
F30-PW50	40	50	102	25	138	40
F30-PW75	25	75	145	40	198	60
F30-PW110	16	110	191	48	269	85
F30-PW160	6	160	240	58	353	85

Lengthen P-trap



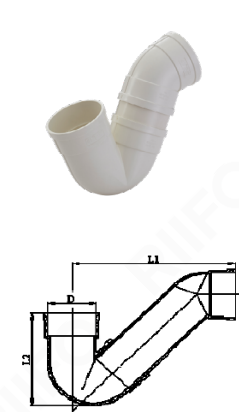
Specif.	pcs/ctn.	D	L	L1	L2
F30-LW50	40	50	103	25	134
F30-LW75	25	75	162	40	194
F30-LW110	16	110	209	48	264

Lengthen P-trap with cleanout



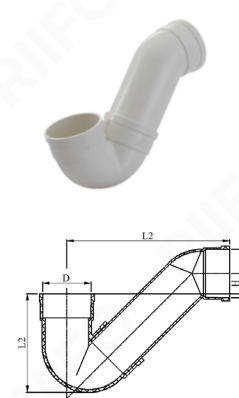
Specif.	pcs/ctn.	D	L	L1	L2	T
F30-LW50	35	50	124	25	134	40
F30-LW75	20	75	185	40	194	60
F30-LW110	16	110	235	48	264	85

Single socket P-trap



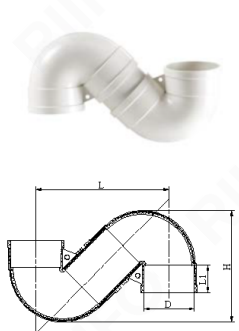
Specif.	pcs/ctn.	D	L1	L2
F30-PW50	30	50	169	103
F30-PW75	20	75	234	163
F30-PW110	12	110	307.5	208.5

Lengthen single socket P-trap



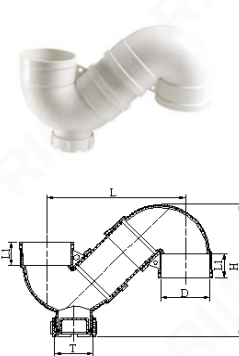
Specif.	pcs/ctn.	L	L1	L2	H	D
F30-PW50	30	104	25	171	23	50
F30-PW75	20	163	40	234	1	75
F30-PW110	8	210	48	308	6	110

S-trap



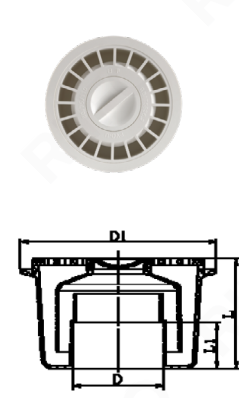
Specif.	pcs/ctn.	D	L	L1	H
F30-W50	60	50	140	25	116
F30-W75	40	75	197	40	163
F30-W110	32	110	279	48	228
F30-W160	12	160	374	58	310

S-trap with cleanout



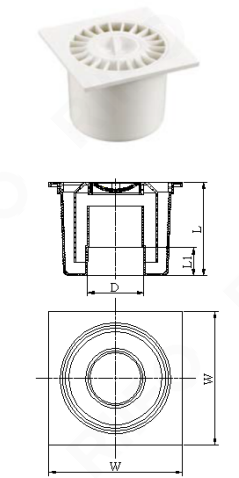
Specif.	pcs/ctn.	D	L	L1	H	T
F30-W50	35	50	140	25	139	40
F30-W75	20	75	197	40	188	60
F30-W110	16	110	279	48	254	85
F30-W160	6	160	374	58	335	85

Round water seal floor drain



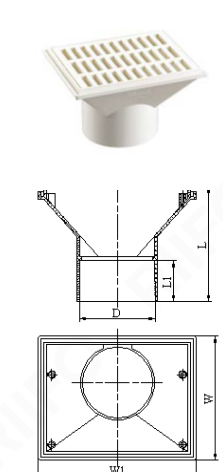
Specif.	pcs/ctn.	D	D1	L	L1
F30-Y50	75	50	115	84	25
F30-Y75	28	75	160	100	40
F30-Y110	20	110	195	108	48

Square water seal floor drain

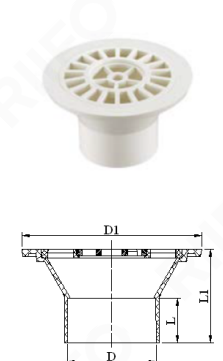


Specif.	pcs/ctn.	D	L	L1	W
F30-Y50	60	50	84	25	120

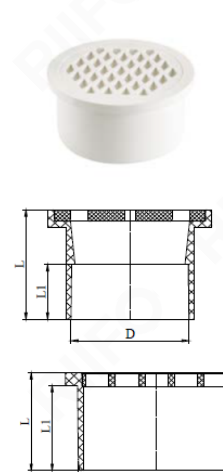
Lateral floor drain

	Specif.	pcs/ctn.	D	L	L1	W	W1
	F30-Y50	76	50	80	25	70	100
	F30-Y75	32	75	113	40	122	157
	F30-Y110	32	110	130	48	162	200

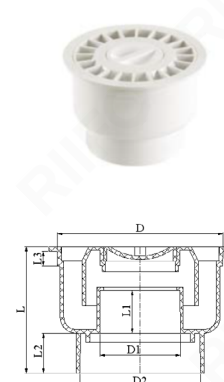
Washer floor drain

	Specif.	pcs/ctn.	D	D1	L	L1
	F30-Y50	90	50	100	57	25
	F30-Y75	60	75	139	89	40

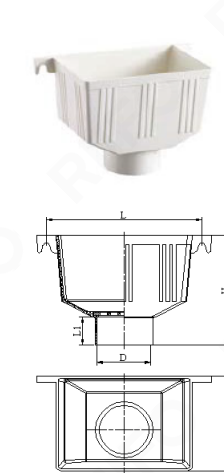
PVC floor drain

	Specif.	pcs/ctn.	D	L	L1
	F30-Y50	140	50	50	25
	F30-Y75	126	75	46	40
	F30-Y110	98	110	56	48
	F30-Y160	36	160	69.5	57.5

Multipurpose water seal floor drain

	Specif.	pcs/ctn.	D	D1	D2	L	L1	L2	L3
	F30-Y110/75/50	75	103	50	75	80	27	25.5	9

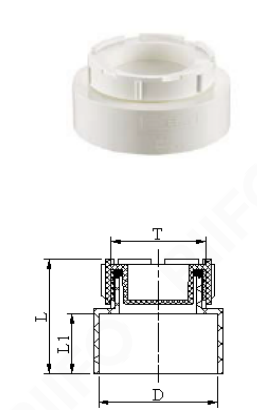
Square rain bucket

	Specif.	pcs/ctn.	D	L	L1	W	H
	F30-U75	30	75	214	40	133.6	158
	F30-U110	18	110	268	48	171	194
	F30-U160	8	160	314	58	215	260

Round rain bucket

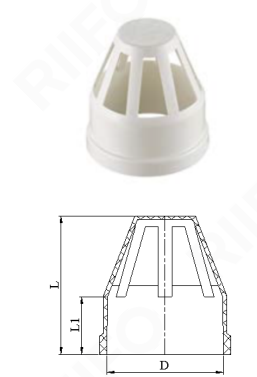
	Specif.	pcs/ctn.	D	D1	L	L1
	F30-U110	14	110	200	243	48

Cleanout



Specif.	pcs/ctn.	D	L	L1	T
F30-V50	225	50	50	25	40
F30-V75	72	75	68	40	60
F30-V110	84	110	79	48	85
F30-V160	36	160	99	58	120
F30-V200	15	200	117	60	180

Ventilate cap



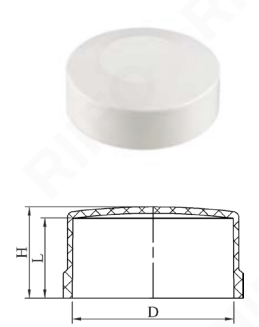
Specif.	pcs/ctn.	D	L	L1
F30-M50	396	50	60.3	25
F30-M75	108	75	82	40
F30-M110	84	110	99	48
F30-M160	36	160	130	58

Check hole nut



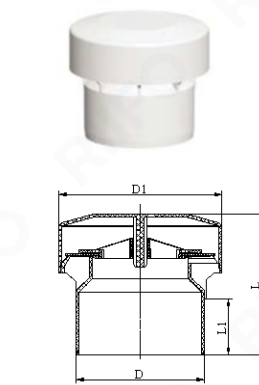
Specif.	pcs/ctn.	T	L
F30-C50	990	40	20
F30-C75	372	60	23
F30-C110	165	85	26
F30-C160	80	110	30
F30-C200	60	170	38

Pipe cap



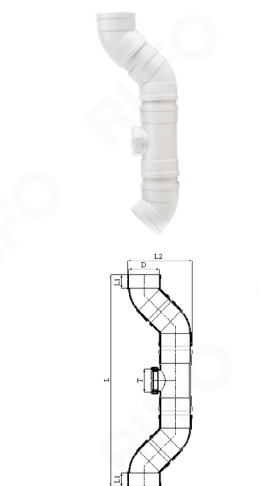
Specif.	pcs/ctn.	H	L	D
F30-M50	450	29	25	50
F30-M75	126	46	40	75
F30-M110	40	57	48	110
F30-M160	36	71	58	160

Inhalation valve



Specif.	pcs/ctn.	D	D1	L	L1
F30-F110	30	110	140	121	48

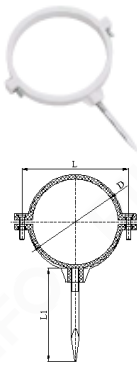
Energy dissipation vertical pipe



Specif.	pcs/ctn.	D	L	L1	L2	T
F30-G110	8	110	765	48	234	85
F30-G160	3	160	938	58	312	110

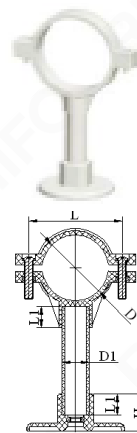
Tools &Accessories

Pointed screw pipe clamp



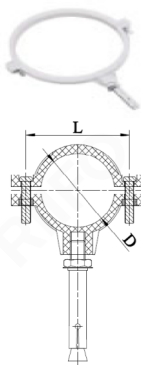
Specif.	pcs/ctn.	D	L	L1
KS4-50	147	50	70	80
KS4-75	160	75	94	80
KS4-110	70	110	131	120
KS4-160	40	160	184	120
KS4-200	14	200	223	150

Lift clamp



Specif.	pcs/ctn.	D	D1	L	L1	H
KS5-50	120	50	20	69	16	28
KS5-75	80	75	20	97.5	16	28
KS5-110	50	110	20	137	16	28

Expansion screw clamp



Specif.	pcs/ctn.	D	L
KS6-40	140	40	62
KS6-50	147	50	70
KS6-75	160	75	94
KS6-110	70	110	131
KS6-160	40	160	184

Fire ring



Specif.	pcs/ctn.
DN75	25
DN110	18
DN160	10

Sealing up ring



Specif.	pcs/ctn.
F30-O50	420
F30-O75	280
F30-O110	190
F30-O160	74

PVC adhesive



Specif.	pcs/ctn.
PVC adhesive 100ML	24
PVC adhesive 250ML	24
PVC adhesive 500ML	12

Pipe cutter



Specif.	pcs/ctn.
GJ IV	40

Pipe cutting tool



Specif.	pcs/ctn.
QGQ-75	25



RIIFO PVC LOW NOISE DRAINAGE SERIES

RIIFO low noise drainage series adopts a unique spiral inner wall structure and double layers with a hollow chamber design. Several protruding triangular spiral edges are designed to allow the water downwards along the spiral edges to form stable and dense water swirl, while maintaining the air flow channel in the center of the pipe, effectively reduces air pressure fluctuations in the standpipe, keeps drainage smooth and fast, significantly eliminate collision between water and air, reduces noise in the standpipe, and ensures a quiet and comfortable life.

RIIFO low noise drainage series include helix pipes, hollow pipes, hollow spiral pipes and equipped with low noise fittings to realize whirlpool low noise drainage.



HOLLOW PIPES

Double layers with a hollow chamber design, possessing a more excellent silencing effect;
The ring stiffness is higher than solid pipe, which can be more durable and strengthened .



HOLLOW SPIRAL PIPES

Low noise

Double-layer structure, hollow chamber structure and at least 6 triangular swirling guide lines on the inner wall, have a better silencing effect, and reduce the water flow noise by 10-15dB;

High strength

The ring stiffness is higher than solid pipe, which can be more durable and strengthened

More economical

Single pipe drainage and ventilation can be realized.



HELIX PIPES

Low noise

The unique spiral inner wall structure realizes swirling drainage, reduces the impact of water flow, and enhances noise reduction to ensure a quiet and comfortable life;

Ultra-fast drainage

Drainage is smooth and fast. The water flow of the standpipe swirled downward along the spiral edge, which greatly improves the drainage efficiency of the system. The flow of DN 110 standpipe is up to 6L/S, which is two times of the general drainage standpipe.

More economical

Single pipe drainage and ventilation can be realized.



LOW NOISE FITTINGS

Ultra-fast drainage

the unique deepened P-shaped groove structure guides the water flow to swirled and fall along the pipe wall to improve the drainage efficiency;

Efficient noise reduction

the water flow is flowed into the standpipe from the tangential direction of the circumference to buffer the impact force of the water flow on the pipe wall and reduce the drainage noise;

Easy to install

Flexible sealing rubber ring connection, high installation efficiency, excellent sealing performance and anti-seismic performance.



SPECIFICATIONS

LOW NOISE PIPES

Helix pipes



Specif.	Packing Specif. (m)	Color
PVC-U-75x2.3	5.8	White
PVC-U-110x3.2	5.8	White
PVC-U-110x3.5	5.8	White
PVC-U-125x3.2	5.8	White
PVC-U-160x4.0	5.8	White

Hollow pipes



Specif.	Packing Specif. (m)	Color
PVC-U-50x4.0	5.8	White
PVC-U-75x4.0	5.8	White
PVC-U-110x5.0	5.8	White
PVC-U-160x6.0	5.8	White

Hollow spiral pipes I



Specif.	Packing Specif. (m)	Color
PVC-U-75x3.8	5.8	White
PVC-U-110x3.8	5.8	White
PVC-U-160x5.0	5.8	White

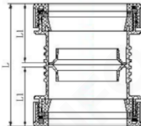
Hollow spiral pipes II



Specif.	Packing Specif. (m)	Color
PVC-U-50x4.0	5.8	White
PVC-U-75x4.0	5.8	White
PVC-U-110x5.0	5.8	White
PVC-U-160x6.0	5.8	White

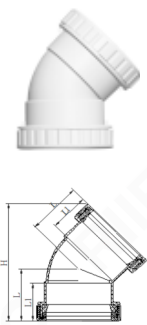
LOW NOISE FITTINGS

Low-noise straight coupling



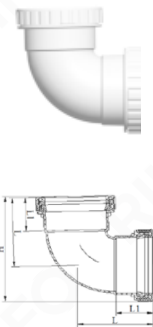
Specif.	pcs/ctn.	DN	L	L1
F31-S75x75	45	75	132.5	66.2
F31-S110x110	24	110	140.2	70
F31-S160x160	18	160	165.2	82.6

45° low-noise elbow



Specif.	pcs/ctn.	DN	H	L	L1
F31-L110x110	30	210	85	62	66.2

Low-noise elbow



Specif.	pcs/ctn.	DN	L	L1	H
F31-L110x110	12	110	130	62	214

Low-noise elbow with cleanout



Specif.	pcs/ctn.	DN	H	L	L1	M
F31-L110x110	12	110	214	130	62	85

Low-noise vertical pipe cleanout



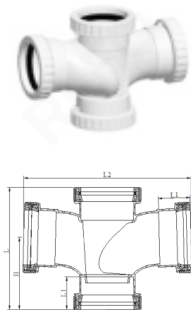
Specif.	pcs/ctn.	DN	L	L1	L2	ø
F31-S75x75	30	75	204	64	70	64.9
F31-S110x110	11	110	249	75	93	92.9
F31-S160x160	9	160	318	80	123	127

Low-noise tee



Specif.	pcs/ctn.	DN	L	L1	L2
F31-T75x75x75	16	75	231	64	147
F31-T110x110x110	14	110	248	82	176
F31-T160x160x160	5	160	336	90	217

Low-noise cross



Specif.	pcs/ctn.	DN	L	L1	L2	H
F31-S110x110x110x110	10	110	243	75	345	144
F31-S160x160x160x160	4	160	336	80	432	177

Low-noise side outlet tee



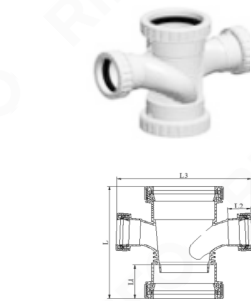
Specif.	pcs/ctn.	DN	ø	L1	E	H
F31-S110x110x110x110	12	110	110	124	194	246

Low-noise reducing tee



Specif.	pcs/ctn.	DN	L	L1	L2	L3
F31-T75x50x75	20	75X50	230	64	45	114
F31-T110x50x110	14	110X50	210	75	45	120
F31-T110x75x110	18	110X75	248	75	64	160
F31-T160x75x160	8	160X75	332	80	64	188
F31-T160x110x160	7	160X110	332	80	75	207

Low-noise reducing cross



Specif.	pcs/ctn.	DN	L	L1	L2	L3
F31-T110x50x50x110	18	110X50	225	75	40	240
F31-T110x75x75x110	12	110X75	248	75	64	327
F31-T160x110x110x160	5	160X110	318	80	75	400



INSTALLATION

Glue Connection



Pipe cutting

Cut the pipe vertically and precisely with RIIFO pipe cutter. Make sure to cut it quickly and precisely.



Cleaning

Wipe the surface of pipe and fitting to keep clean, and all the burrs should be removed from the inside and outside edge.



Marking

Mark down the installation depth of pipe and fitting.



Applying PVC glue

Apply the pipe and fitting evenly with PVC glue.



Connection

After the pipe and fitting are coated with glue, insert them quickly, and rotate them to distribute the glue evenly to ensure a firm connection. After the installation is complete, wipe the overflowing glue.

Socket Depth

Pipe diameter dn	Average inner diameter of socket		Minimum socket depth Lo_min
	ds_min	ds_max	
32	32.1	32.4	22
40	40.1	40.4	25
50	50.1	50.4	25
75	75.2	75.5	40
90	90.2	90.5	46
110	110.2	110.6	48
125	125.2	125.7	51
160	160.3	160.8	58
200	200.4	200.9	60
250	250.4	250.9	60
315	315.5	316.0	60

Rubber-Ring Connection



Pipe cutting

Cut the pipe vertically and precisely with RIIFO pipe cutter. Make sure to cut it quickly and precisely.



Cleaning

Wipe the surface of pipe and fitting to keep clean, and all the burrs should be removed from the inside and outside edge.



Marking

Mark down the installation depth of pipe and fitting.



Lubricant coating

Coat the outer surface of the pipe and the inner surface of the fitting with lubricating fluid, which can be coated with soapy water, so that the pipe can be better inserted into the fitting.



Connection

Loosen the nut, insert the pipe into the fitting, then tighten the nut to complete the connection.