tf solutions
AIR CONDITIONING AND REFRIGERATION

THE TF SOLUTIONS CONDENSATE REMOVAL PRODUCT RANGE

CONDENSATE REMOVAL
PUMPS: TANK PUMPS

At TF Solutions we stock a wide range of market-leading condensate pumps. Further to our own TF range of condensate pumps, all of our branches stock full ranges from Aspen, Little Giant, Pump House, Sauermann and Charles Austen.

Pump	Tank Capacity	Max Lift	Max Flow Max Flow L/H
TF2	2L	4.5M	300
TF1	1L	5.6M	270
Aspen Max Hi Flow	1.7L	5M	550 L/h @ 0 head
Aspen Hi Lift	1 & 2L	12M	11
Aspen Mini Tank	0.24L	15M	35
Aspen Heavy Duty 6	4L	6M	900
Aspen Heavy Duty 10	4L	10M	1250
Aspen Hot Water Economy	4L	6M	900
Aspen Hot Water Heavy Duty	5L	15M	1,800
Little Giant VCMX-20S (NXT Gen)	1.9L	4.3M	294
Little Giant VCC-20S	1.1L	4.3M	294
Little Giant VCL-24S	3.8L	5.9M	900
Little Giant VCL-45S	3.8L	10.5M	1,560
Pump House PH-3.8L-HW	3.8L	8M	312
Sauermann SI-8200	2L	5.4M	500

DID YOU KNOW...?
Our TF1 & TF2 Tank Pumps come with a 3 year warranty.

CONDENSATE REMOVAL
PUMPS: PERISTALTIC PUMPS

Pump	Reservoir or Temp Sensor	Max Head	Signal/Sensor
Aspen Universal	Temp	12M	Two cooling sensors
Aspen Standard Peristalitic	Temp	12M	Hard-wired cooling signal
Aspen MK4	Temp	12M	Two water level sensors
Aspen Mechanical	Reservoir	12M	High level alarm output
Little Giant TPS	Compressor Signal	14M	Compressor signal
Little Giant TPT	Temp	14M	Temperature sensor
Little Giant TPR	Reservoir Alarm	14M	Reservoir sensor

DID YOU KNOW...?
TF Solutions sold 34,000 pumps in 2014.

CONDENSATE REMOVAL
PUMPS: MINI PUMPS

Pump	Head	Flow Rate	Key Feature
Aspen Mini Lime	10M	12L	Comes complete with BBJ or Slimline Trunking
Aspen Maxi Lime	15M	35L	Elbow pump as above, suitable for larger units up to 46kW
Aspen Mini Orange	10M	12L	Mini pump designed for High Wall, ducted and floor standing units
Aspen Maxi Orange	15M	35L	Mini pump as above designed for units up to 46kW
Aspen Mini Aqua	10M	12L	The world's slimmest condensate pump
Aspen Mini Blanc	10M	12L	Ultra quick fit, designed to fit under high wall units
Little Giant EC-1	10M	10L	Designed for use with mini split walls and ceiling mounted units
Little Giant EC-1Kit	10M	10L	Mini pump as above supplied with white trunking
Little Giant EC-400	12M	14L	Ideal for wall mounted and ceiling split AC Units, can be installed inside air handler
TF3 Pump	**10M**	**12L**	**Mini pump in trunking with plenty of space within**
Sauermann Delta Pack	10M	20L	Mini pump in trunking designed for quick install
Sauermann SI-3080	6M	8L	Compact design for units with limited space
Blue Diamond Mini Blue	8M	8L	Versatile pump with 3 sensing options and 3 installation options
Blue Diamond Maxi Blue	8M	14L	Designed for high humidity environment
Blue Diamond Mega Blue	20M	50L	Small and compact design

CONDENSATE REMOVAL
PUMPS: SUPERMARKET PUMPS

Pump	Capacity (L)	Flow Rate	Inlet Type
Aspen Cold Cabinet Stainless Steel	11L	225L	Top or side
Aspen ERRP	11L	225L	Top or side
Aspen Low Profile ERRP	3.5L	190L	Top or side
Aspen Macerator	4 and 10L	780L	Two in deck
Pump House DCP-30V	4.5L	700L	Top, end or side
Pump House DCP-30E	5.5L	700L	Top, end or side
Pump House DCP-30 Standard	5.5L	700L	Top, end or side

DID YOU KNOW...?

You can download technical data on all condensate pumps from the TF Solutions website.

CONDENSATE REMOVAL
DRAIN & ACCESSORIES

A 19mm / 21.5mm solvent weld overflow system in PVC-U with an extensive range of fittings to meet most installation requirements.

Fixing Guide

Fix pipe brackets at maximum 0.6m centres for both vertical and horizontal runs.

No expansion gap required on the solvent weld overflow system.

Solvent weld joints in accordance with ABS/ PVC-U Waste Systems instructions.

21.5mm Overflow Waste
PVC-U Solvent

white ○ black ●

3m Overflow Pipe

CODE
OS01

Straight Coupling

CODE
OS10

90° Bend

CODE
OS11

135° (45°) Bend

CODE
OS12

Tee

CODE
OS13

Straight Tank Connector

CODE
OS14

Bent Tank Connector

CODE
OS15

Snap Clip

CODE
OS16

Overflow Waste Reducer

CODE	SIZE
OS17	x32mm
OS18	x40mm

(Fits both push-fit and solvent weld systems)

CONDENSATE REMOVAL
DRAIN AND ACCESSORIES

white ○ black ●

3m Wastepipe

CODE	SIZE
WS01#	32mm
WS02#	40mm
WS03#	50mm

Straight Coupling

CODE	SIZE
WS07#	32mm
WS08#	40mm
WS09#	50mm

90° Bend

CODE	SIZE
WS10#	32mm
WS11#	40mm
WS12#	50mm

Tank Connector

CODE	SIZE
WS60	32mm
WS61	40mm

Strap On Boss

Available in sizes
32mm-100mm and
38mm-150mm

135° (45°) Bend

CODE	SIZE
WS18#	32mm
WS19#	40mm
WS20#	50mm

Tee

CODE	SIZE
WS22#	32mm
WS23#	40mm
WS24#	50mm

Access Plug

CODE	SIZE
WS30#	32mm
WS31#	40mm
WS32#	50mm

Pipe Clip

CODE	SIZE
WS34#	32mm
WS35#	40mm
WS36#	50mm

Reducer

CODE	SIZE
WS38#	40x32mm
WS39#	50x32mm
WS40#	50x40mm

ABS Solvent Weld System

A light in weight yet strong and cost effective option, the ABS Solvent Weld System is available in 32mm, 40mm and 50mm sizes with an extensive range of fittings to meet most installation requirements.

DON'T FORGET...

TNC clips for Studding and Channel available in all sizes.

CONDENSATE REMOVAL
DRAIN AND ACCESSORIES

Hepvo Valve

Hepvo Adapter

Pipe Weld PVC Cement

Hose Clips

Hose Connectors

Hose T Piece

Sva-3 Self-Sealing Pipe Adapter

¼" - ⅜" hose

Small Cassette Adapter (Green)

Pack of three - ¾" x 1" suitable for tank pump application

Medium Cassette Adapter (Blue)

Pack of three - ¾" x 1 - ¼" suitable for tank pump application

Large Cassette Adapter (Black)

Pack of three - ¾" x 1 ½" suitable for tank pump application

Condensate Drain Adapter

Available in sizes ⅜" to 22mm

Ecop-Adap Condensate Drain Adapter

16, 18, 22, 25mm drain to ¼" hose

Braided Condensate Hose
Available in clear and black in ¼" or ⅜" and supplied in 30m coils

CONDENSATE REMOVAL
INABA DENKO

Straight Duct

75mm x 2000mm		
IVORY ID-NSD-75-I	WHITE ID-NSD-75-W	BLACK ID-SD-75-K
100mm x 2000mm		
IVORY ID-NSD-100-I	WHITE ID-NSD-100-W	BLACK ID-SD-100-K

90° Elbow Bend

75mm		
IVORY ID-SC-75-I	WHITE ID-SC-75-W	BLACK ID-SC-75-K
100mm		
IVORY ID-SC-100-I	WHITE ID-SC-100-W	BLACK ID-SC-100-K

45° Elbow Bend

75mm		
IVORY ID-SCF-75-I	WHITE ID-SCF-75-W	BLACK ID-SCF-75-K
100mm		
IVORY ID-SCF-100-I	WHITE ID-SCF-100-W	BLACK ID-SCF-100-K

90° Flat Bend/Horizontal Bend

75mm		
IVORY ID-SK-75-I	WHITE ID-SK-75-W	BLACK ID-SK-75-K
100mm		
IVORY ID-SK-100-I	WHITE ID-SK-100-W	BLACK ID-SK-100-K

45° Flat Bend

75mm		
IVORY ID-SK-75-I	WHITE ID-SK-75-W	BLACK ID-SK-75-K
100mm		
IVORY ID-SKF-100-I	WHITE ID-SKF-100-W	BLACK ID-SKF-100-K

Flexible Joint

75mm		
IVORY ID-SF-500-I	WHITE ID-SF-500-W	BLACK ID-SF-500-K
100mm		
IVORY ID-SF-800-I	WHITE ID-SF-800-W	BLACK ID-SF-800-K

CONDENSATE REMOVAL
INABA DENKO

Reducer Joint

100-75mm		
IVORY ID-SDR-100-75-I	WHITE ID-SDR-100-75-W	BLACK ID-SDR-100-75-K

Connection Piece

75mm		
IVORY ID-SJ-75-I	WHITE ID-SJ-75-W	BLACK ID-SJ-75-K
100mm		
IVORY ID-SJ-100-I	WHITE ID-SJ-100-W	BLACK ID-SJ-100-K

Flat Rossette

75mm		
IVORY ID-SP-75-I	WHITE ID-SP-75-W	BLACK ID-SP-75-K
100mm		
IVORY ID-SP-100-I	WHITE ID-SP-100-W	BLACK ID-SP-100-K

Wall Rossette

75mm		
IVORY ID-SWC-75-I	WHITE ID-SWC-75-W	BLACK ID-SWC-75-K
100mm		
IVORY ID-SWC-100-I	WHITE ID-SWC-100-W	BLACK ID-SWC-100-K

Duct Wall Cover

75mm		
IVORY ID-SW-75-I	WHITE ID-SW-75-W	BLACK ID-SW-75-K
100mm		
IVORY ID-SW-100-I	WHITE ID-SW-100-W	BLACK ID-SW-100-K

Duct End

75mm		
IVORY ID-SEN-75-I	WHITE ID-SEN-75-W	BLACK ID-SEN-75-K
100mm		
IVORY ID-SEN-100-I	WHITE ID-SEN-100-W	BLACK ID-SEN-100-K

T Joint

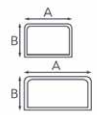
75mm		
IVORY ID-ST-75-I	WHITE ID-ST-75-W	BLACK ID-ST-75-K
100mm		
IVORY ID-ST-100-I	WHITE ID-ST-100-W	BLACK ID-ST-100-K

Tie Clip

CODE
ID-SL-300

CONDENSATE REMOVAL
ECONOMY TRUNKING

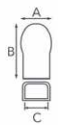
D-70 IVORY B6027 D-105 IVORY B6026



Straight Duct

Code	Size (mm) A	Size (mm) B	Overall length (mm)	Qty boxed
D-70	70	65	2000	6
D-105	105	75	2000	6

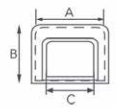
WC-70 IVORY B6050 WC-105 IVORY B6049



Walls Cover for inlet or outlet

Code	Size (mm) A	Size (mm) B	Size (mm) C	Qty boxed
WC-70	110	180	70.4	20
WC-105	145	190	105.4	20

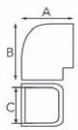
RJ-70-105 IVORY B6046



Reducer Joint

Code	Size (mm) A	Size (mm) B	Size (mm) C	Qty boxed
RJ-70-105	105.4	80.4	70.4	20

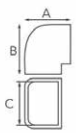
EB-70 IVORY B6035 EB-105 IVORY B6034



90° Elbow Bend

Code	A	Size (mm) B	C	Qty boxed
EB-70	95	95	70.4	20
EB-105	110	110	105.4	20

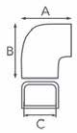
EIN-70 IVORY B6037 EIN-105 IVORY B6036



Elbow – External 90°

Code	A	Size (mm) B	C	Qty boxed
EIN-70	95	95	70.4	20
EIN-105	110	110	105.4	20

FB-70 IVORY B6039 FB-105 IVORY B6038

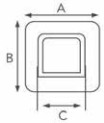


90° Flat Bend

Code	A	Size (mm) B	C	Qty boxed
FB-70	115	115	70.4	20
FB-105	150	150	105.4	20

CONDENSATE REMOVAL
ECONOMY TRUNKING

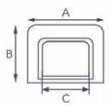
WR-70 IVORY B6053 WR-105 IVORY B6052



Wall Rosette

Code	Size (mm) A	B	C	Qty boxed
WR-70	115.4	110.4	70.4	20
WR-105	150.4	120.4	105.4	20

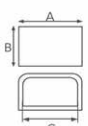
FR-70 IVORY B6045 FR-105 IVORY B6044



Flat Rosette

Code	Size (mm) A	B	C	Qty boxed
FR-70	115.4	110.4	70.4	20
FR-105	150.4	120.4	105.4	20

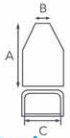
CP-70 IVORY B6025 CP-105 IVORY B6022



Connection Piece

Code	Size (mm) A	B	C	Qty boxed
CP-70	75.4	70.4	70.4	20
CP-105	110.4	80.4	105.4	20

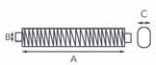
DE-70 IVORY B6031 DE-105 IVORY B6030



Duct End

Code	Size (mm) A	B	C	Qty boxed
DE-70	120	45	70.4	20
DE-105	120	50	105.4	20

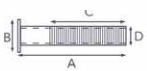
FJ-70 IVORY B6043 FJ-105 IVORY B6042



Flexible Joint

Code	Size (mm) A	B	C	Qty boxed
FJ-70	500	65	65	20
FJ-105	500	100	100	20

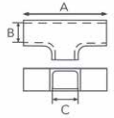
ING-341 IVORY B6051



Wall Sleeve

Code	Size (mm) A	B	C	D	Qty boxed
ING-341	350	100	250	63	20

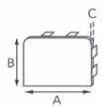
TJ-105 IVORY B6048



T-joint

Code	Size (mm) A	B	C	Qty boxed
TJ-105	200	105.4	105.4	20

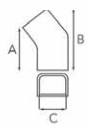
DC-70 IVORY B6029 DC-105 IVORY B6028



Duct Cap

Code	Size (mm) A	B	C	Qty boxed
DC-70	70	65	2	20
DC-105	105	75	2	20

FB-70-45 IVORY B6041 FB-105-45 IVORY B6040

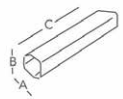


45° Flat Bend

Code	Size (mm) A	Size (mm) B	C	Qty boxed
FB-70-45	92.58	145.5	70.4	20
FB-105-45	92.58	170.3	105.4	20

CONDENSATE REMOVAL
BBJ INOAC TRUNKING

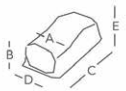
CD-60 B6200 CD-100 B6196
CD-75 B6201 CD-140 B6199



Straight Duct

Code	Size (mm) A	B	C	Qty boxed
CD-60	57.5	58	2000	5
CD-75	74	62	2000	5
CD-100	99	68	2000	5
CD-140	138	78	2000	5

NW-60 B6252 NW-100 B6248
NW-75 B6253 NW-140 B6251



Outlet Cover

Code	Size (mm) A	B	C	D	E	Qty boxed
NW-60	65.5	65	200	77	81	5
NW-75	82	69	210	94	83	5
NW-100	107	75	231	119	96	5
NW-140	146	85	286	158	105	5

NK-60 B6223 NK-100 B6221
NK-75 B6224

Wall Cap

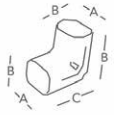
Code	Size (mm) A	B	C	D	Qty boxed
NK-60	110	110	16	40	5
NK-75	126	114	16	40	5
NK-100	175	145	16	40	5

NZ-60 B6261 NZ-75 B6262

Universal Elbow (VERTICAL)

Code	Size (mm) A	B	C	Qty boxed
NZ-60	65.5	65	117.5	5
NZ-75	86	69	122.5	5

NC-60 B6209 NC-100 B6206
NC-75 B6210 NC-140 B6208



Elbow (VERTICAL)

Code	Size (mm) A	B	C	Qty boxed
NC-60	65.5	65	120	5
NC-75	82	69	124	5
NC-100	107	75	135	5
NC-140	146	85	149	5

NU-60 B6245 NU-100 B6244
NU-75 B6246

45° Elbow (VERTICAL)

Code	Size (mm) A	B	C	Qty boxed
NU-60	65.5	65	67	5
NU-75	82	69	72	5
NU-100	107	75	83	5

CONDENSATE REMOVAL
BBJ INOAC TRUNKING

NX-60 B6258 NX-100 B6255
NX-75 B6259 NX-140 B6257

Universal Elbow (HORIZONTAL)

Code	Size (mm) A	B	C	Qty boxed
NX-60	65.5	65	136.8	5
NX-75	82	69	153	5
NX-100	107	75	193.5	5
NX-140	146	85	248	5

NE-60 B6214 NE-100 B6211
NE-75 B6215 NE-140 B6213

Elbow (HORIZONTAL)

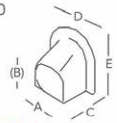
Code	Size (mm) A	B	C	Qty boxed
NE-60	65.5	65	119.5	5
NE-75	82	69	141	5
NE-100	107	75	161	5
NE-140	146	85	200	5

NM-60 B6226 NM-100 B6225
NM-75 B6227

45° Elbow (HORIZONTAL)

Code	Size (mm) A	B	C	Qty boxed
NM-60	65.5	65	68	5
NM-75	82	69	74	5
NM-100	107	75	84	5

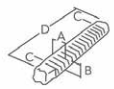
NA-60 B6205 NA-100 B6203
NA-75 B6195



Corner Cap

Code	Size (mm) A	B	C	D	E	Qty boxed
NA-60	67	65	66	105	110	5
NA-75	74	70	66	124	125	5
NA-100	109	76	66	149	140	5

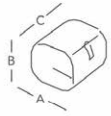
NF-60 B6219 NF-100 B6216
NF-75 B6220 NF-140 B6218



Flexible Joint

Code	Size (mm) A	B	C	D	Qty boxed
NF-60	59.5	60	60	550	5
NF-75	76	64	60	550	5
NF-100	101	70	75	800	5
NF-140	140	80	80	1000	5

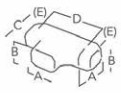
NS-60 B6237 NS-100 B6233
NS-75 B6238 NS-140 B6236



Socket

Code	Size (mm) A	B	C	Qty boxed
NS-60	65.5	65	80	5
NS-75	82	69	80	5
NS-100	107	75	80	5
NS-140	146	85	80	5

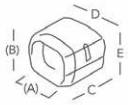
NT-75 B6243 NT-140 B6706
NT-100 B6240



T-joint

Code	Size (mm) A	B	C	D	E	Qty boxed
NT-75	80	70	120	160	25	1
NT-100	107	75	161	215	35	1
NT-140	146	85	200	254	35	1

NJ-60<75 B6707 NJ-75<100 B6708



Reducer

Code	Size (mm) A	B	C	D	E	Qty boxed
NJ-60<75	69.5	68	80	82	69	5
NJ-75<100	86	72	80	107	75	5

NR-60 B6230 NR-100 B6228
NR-75 B6232

End Socket

Code	Size (mm) A	B	C	D	E	Qty boxed
NR-60	53	30	99	65.5	65	5
NR-75	53	30	99	82	69	5
NR-100	53	30	115	107	75	5

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