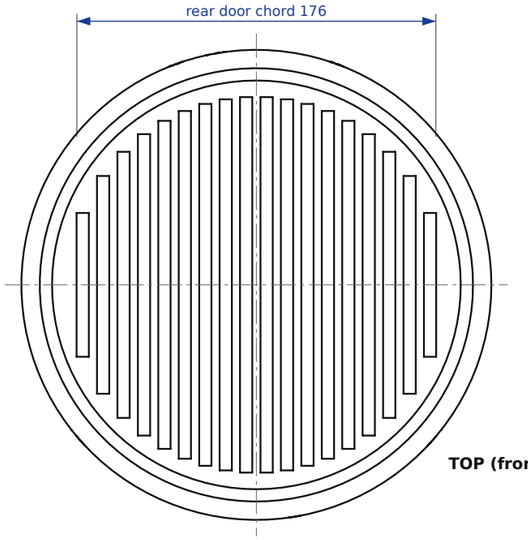
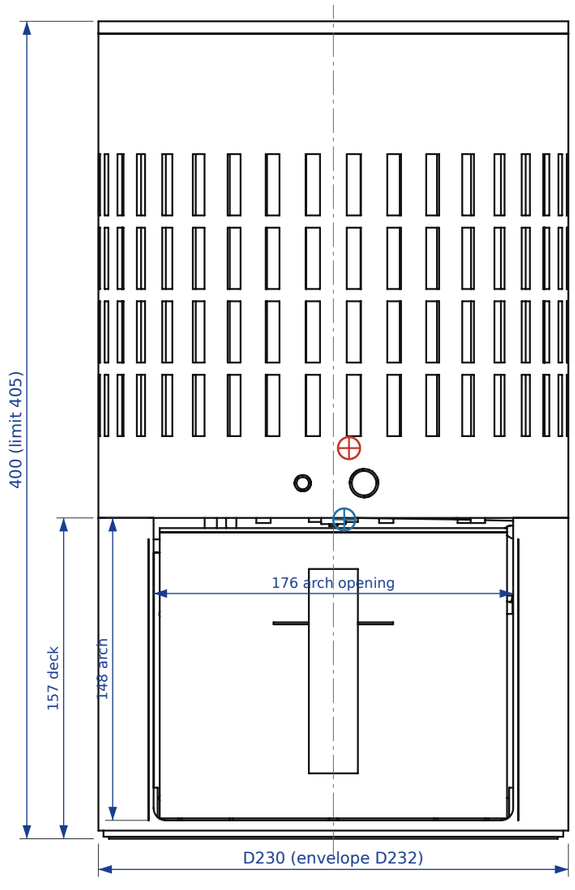
GENERAL ARRANGEMENT NOTES

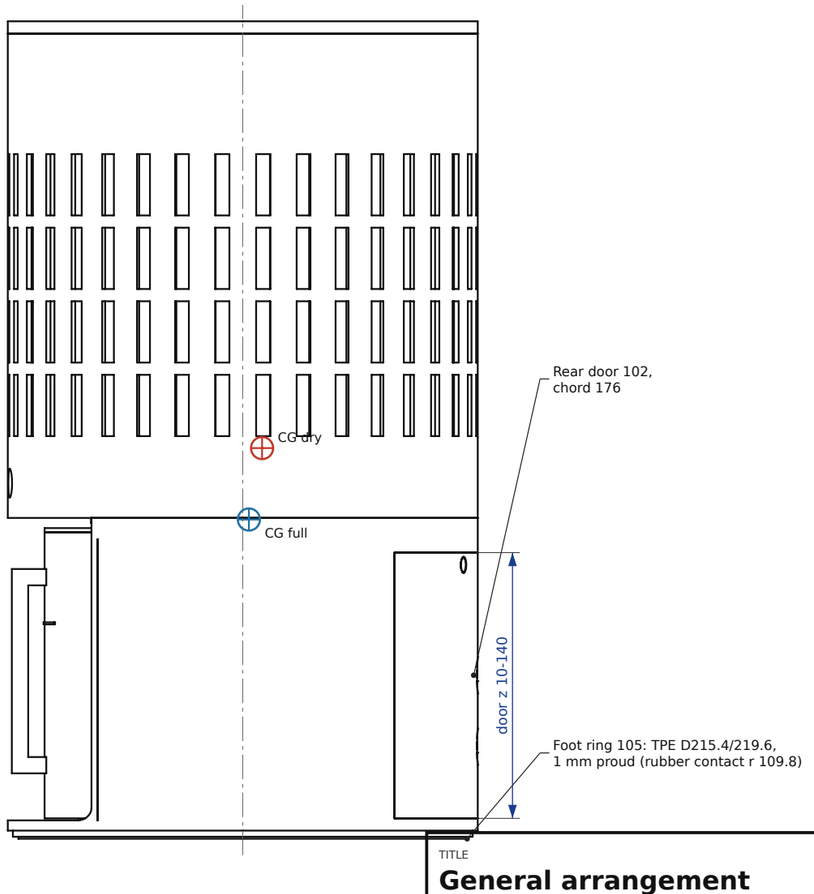
Envelope D230 x 400 (checked: D230.2 x 400.0; limit D232 x 405)
Dry mass 5.49 kg (limit 6.2); tank empty 5.94; tank full 7.94 kg
CG dry (x, y, z) 8, 9, 191; full 5, 3, 156
Tip angle dry / empty / full: 26.6 / 27.3 / 33.1 deg (foot r 108)
Front arch 176 x 148 (z 9-157), open to the deck; jug D170 slides -y
Rear door 102: chord 176 x z 10-140, 2 captive screws 701
Intake: top grille 104 (open 15932 mm2); exhaust: 144 slots in 103
External 24 V 150 W power brick, 0.45 kg, not in the unit



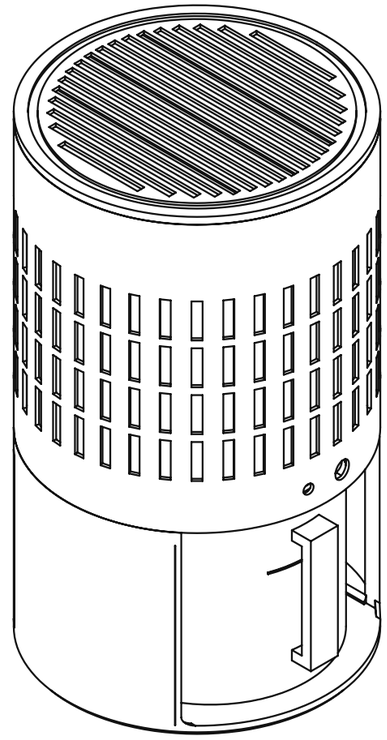
TOP (front -y at the bottom)



FRONT



RIGHT SIDE



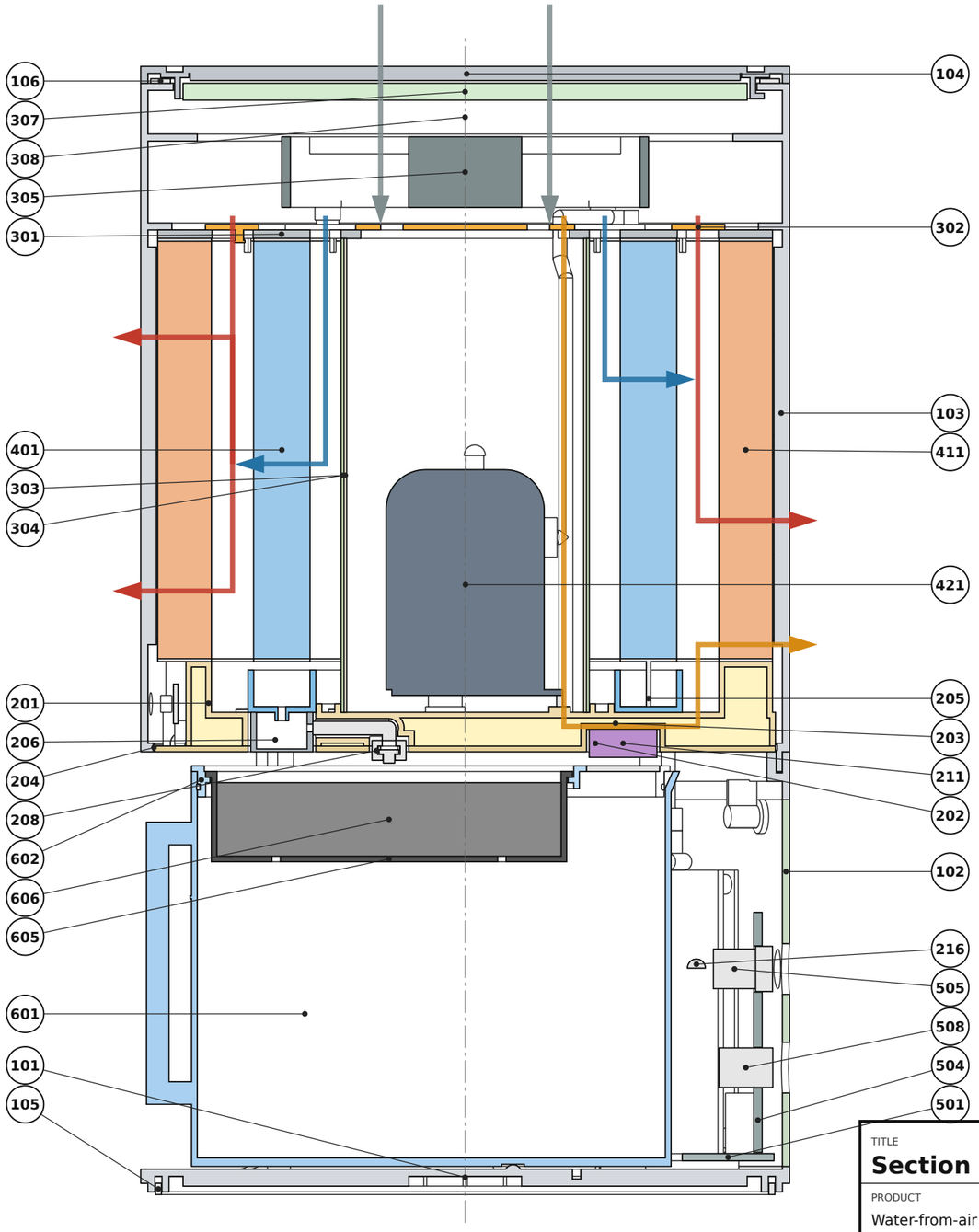
ISOMETRIC (1:4)

TITLE

General arrangement

PRODUCT		REV	SHEET
Water-from-air unit, cylindrical D230 x 400		**C5 Rev A**	**1 of 15**
STATUS	UNITS / TOLERANCE	SCALE	DATE
CONCEPT, FOR RFQ; NOT FOR TOOLING	Units mm. Untoleranced dimensions	**1:3 (iso 1:4)**	2026-11-15
PROJECTION	for reference.	FILES	
Third angle		cad/C5_RevA_assembly.step	

SECTION A-A (plane x = 0, viewed from +x; front -y on the left)



AIR PATH: fixed split, about 60 % evaporator / 40 % bypass,
set by orifice ring 302 (bypass orifice, area to be tuned in EVT).

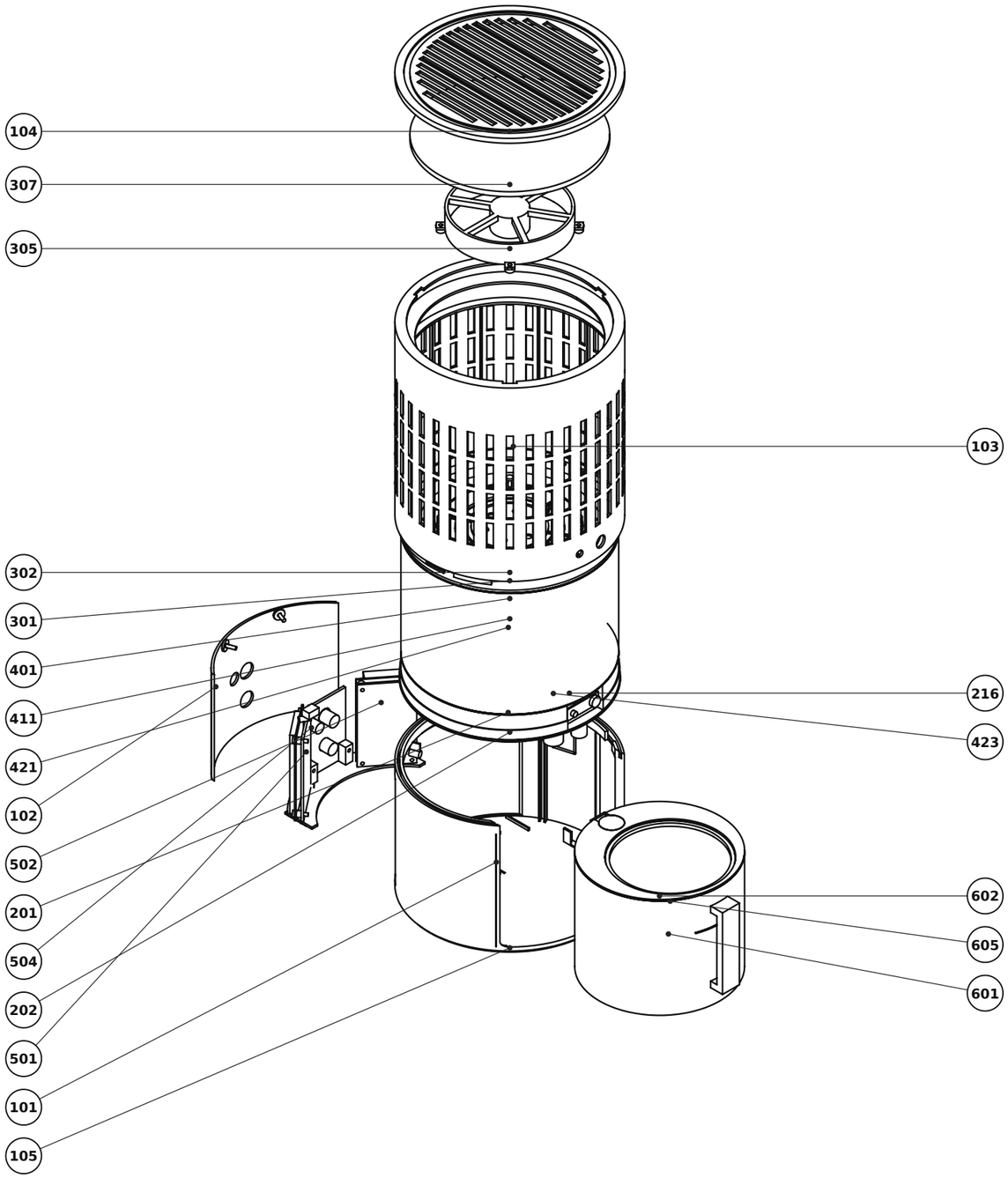
- Intake 0.0247 m3/s (89 m3/h): grille, filter, fan, plenum
- Evaporator 0.0148: annulus r 44-55 down, radially out
- Bypass 0.0081: orifice slots, gap r 75-90, condenser
- Tube 0.0018: orifice holes, past the compressor, deck channels

Section	mm2	m3/s	m/s
Intake grille (open slots)	15932	0.0247	1.55
Filter disc face D200	31416	0.0247	0.79
Fan disc D130 less hub	12017	0.0247	2.06
evaporator annulus opening (6 spokes 1.5)	3322	0.0148	4.45
302: bypass slots (24)	1361	0.0081	5.96 !
302: tube holes (6)	300	0.0018	5.96 !
Evaporator annulus r 44-55 (axial)	3421	0.0148	4.33
Evaporator inner face (radial, full ring)	51836	0.0148	0.29
Evaporator inner face less header zone	50057	0.0148	0.30
Compressor tube free area (r 42 less D56)	3079	0.0018	0.58
Deck radial channels (3 x 30 x 10)	900	0.0018	1.99
Bypass gap r 75-90 (axial)	7775	0.0081	1.04
Condenser outer face (radial, less header zone)	100686	0.0247	0.25
Exhaust slots in sleeve (144 x 7 x 30)	30245	0.0247	0.82

! = above 5 m/s: orifice slots and tube holes are the throttling elements by design (about 6.0 m/s); open them in EVT if the pressure drop is too high (ratio 0.6 gives 5.0 m/s).
Evaporator ports = full annulus less six 1.5 mm spokes (97 %).

TITLE
Section A-A, air path

PRODUCT Water-from-air unit, cylindrical D230 x 400		REV **C5 Rev A**	SHEET **2 of 15**
STATUS **CONCEPT, FOR RFQ; NOT FOR TOOLING**	UNITS / TOLERANCE Units mm. Untoleranced dimensions	SCALE **1:2**	DATE 2026-11-15
PROJECTION Third angle	for reference.	FILES cad/C5_RevA_assembly.step	



SERVICE ORDER (explode offsets follow this order)

1 Top cap 104 off (bayonet 15 deg, no tools)
2 Filter discs 307 / 308 lift out
3 Fan 305: 4 screws 701, unplug 512
4 Sleeve 103: twist 12 deg, lift
5 Rear door 102: 2 captive screws
6 Tray 501 slides out rear (unplug 511/514)
7 Jug 601 slides out front
8 Sealed assembly lifts out (lines attached)

Item	Name	Qty	M/B	g	H2O
101	Base	1	M	306	
102	Rear door	1	M	67	
103	Lift-off sleeve	1	M	444	
104	Top cap	1	M	88	
105	Rubber foot ring	1	M	6.3	
106	Cap-to-sleeve gasket	1	M	8.7	
201	Deck upper shell	1	M	167	
202	Deck lower shell	1	M	80	
203	Deck foam core	1	M	18	
204	Deck perimeter seal	1	M	1.1	
205	Drip trough	1	M	40	W
206	Diverter cup with weir	1	M	16	W
207	Spout tube	1	M	3.0	W
208	Drip-stop valve body	1	M	0.5	W
209	Drip-stop poppet	1	M	0.1	W
210	Drip-stop spring	1	B	0.2	W
211	UV-C LED module	1	B	30	
212	Reed sensor	1	B	10	
213	Status light pipe + LED	1	B	5.0	
214	Button + light pipe	1	B	5.0	
215	UI PCB	1	B	6.0	
216	AUX tube 1/4 in	1	B	5.7	W
301	Plenum plate	1	M	72	
302	Bypass orifice ring	1	M	24	
303	Centre tube	1	M	41	
304	Centre tube insulation wrap	1	M	1.5	
305	Fan 130 mm	1	B	200	
306	Fan isolator	4	B	1.1	
307	Filter mesh disc	1	B	40	
308	Filter add-on disc (optional)	1	B	80	
401	Evaporator fin pack	1	M	426	W
402	Evaporator top end plate	1	M	22	W
403	Evaporator bottom end plate with feet	1	M	23	W
404	Evaporator inlet header 5/16 in with stu	1	M	23	W
405	Evaporator outlet header 3/8 in with stu	1	M	34	W
406	Evaporator header-zone baffle	1	M	2.2	

Item	Name	Qty	M/B	g	H2O
411	Condenser fin pack	1	M	688	
412	Condenser top end plate	1	M	32	
413	Condenser bottom end plate	1	M	32	
414	Condenser inlet header with stub	1	M	23	
415	Condenser outlet header with stub	1	M	23	
416	Condenser header-zone baffle	1	M	1.9	
421	Compressor (rotary, 24 V BLDC)	1	B	720	
422	Compressor isolator	3	B	1.3	
423	Filter-drier	1	B	400	
424	Capillary coil	1	M	12	
431	Discharge line	1	M	25	
432	Liquid line	1	M	15	
433	Capillary tube, drier to coil	1	M	1.3	
434	Suction line	1	M	18	
435	Suction line insulation	1	M	0.0	
436	Capillary tube, coil to evaporator	1	M	3.5	
501	Service tray	1	M	53	
502	Driver board	1	B	150	
503	Control PCB	1	B	200	
504	Connector plate	1	M	14	
505	AUX OUT bulkhead push-fit	1	B	20	W
506	AUX OUT cap	1	B	3.0	W
507	24 V accessory socket	1	B	10	
508	Locking DC inlet	1	B	20	
509	Harness trunk (tray side)	1	M	0.4	
510	Harness deck branches	1	M	22	
511	Harness connector, tray half	1	B	8.0	
512	Fan connector	1	B	8.0	
514	Harness connector, deck half	1	B	8.0	
601	Jug body	1	M	299	W
602	Jug lid	1	M	45	W
603	Jug lid seal	1	M	1.3	W
604	UV window	1	B	2.3	W
605	Cartridge housing	1	M	45	W
606	Cartridge media	1	B	205	W
701	Screw M3.5 x 13 thread-forming	24	B	42	

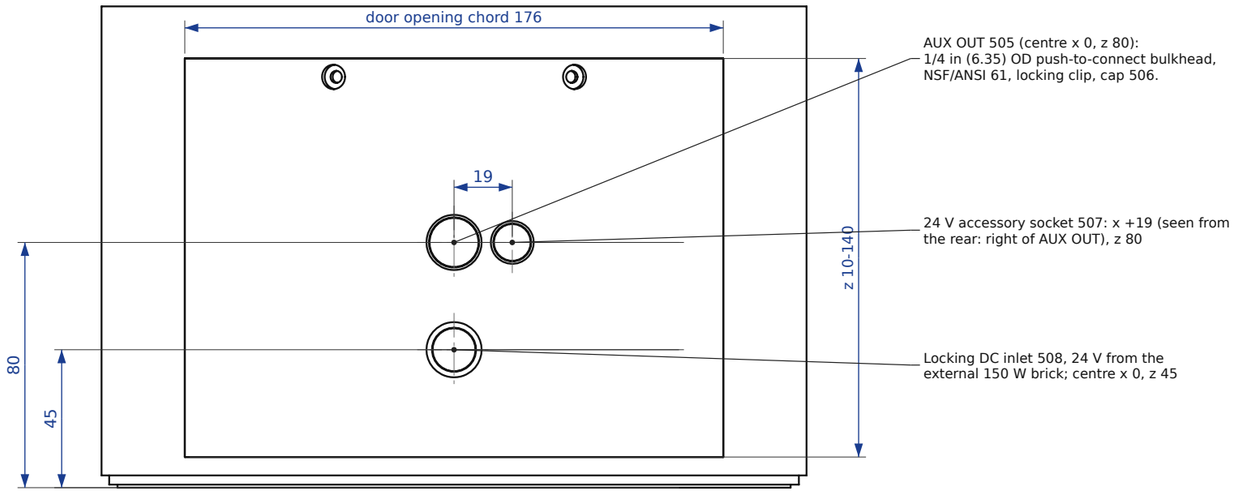
Table matches cad/parts_list.json (item numbers stable). M = make, B = buy, H2O = water contact.
g = total mass of all instances. 308 is optional and excluded from the dry mass.

TITLE

Exploded view, service order

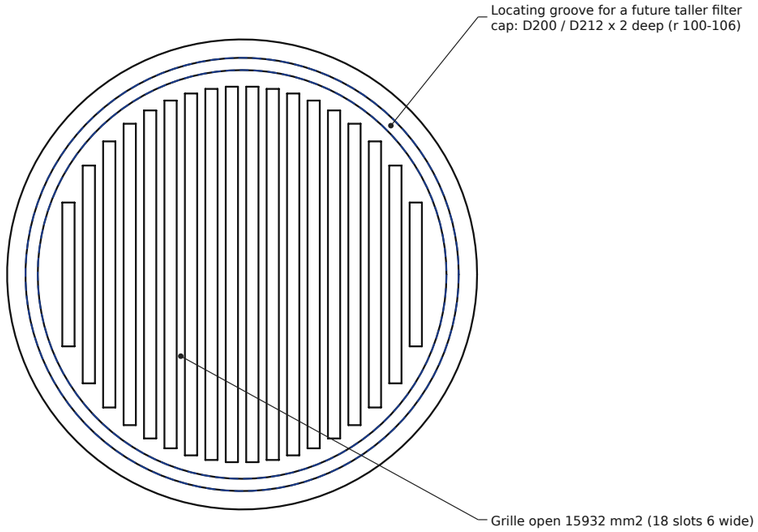
PRODUCT Water-from-air unit, cylindrical D230 x 400		REV **C5 Rev A**	SHEET **3 of 15**
STATUS **CONCEPT, FOR RFQ; NOT FOR TOOLING**	UNITS / TOLERANCE Units mm. Untoleranced dimensions	SCALE **1:5 (approx., iso)**	DATE 2026-11-15
PROJECTION Third angle	for reference.	FILES cad/C5_RevA_assembly.step	

A REAR VIEW, base only (1:2): connector field

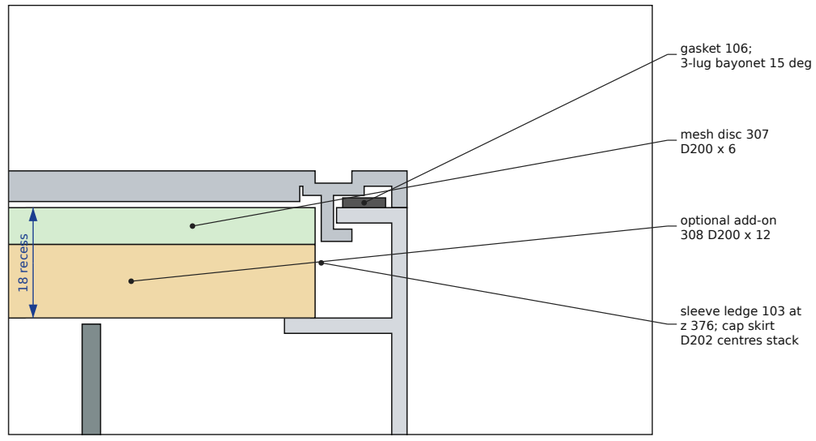


AUX OUT water path: diverter cup 206 low outlet (bore invert z 158.0) -> 1/4 in LLDPE tube 216, 360 mm long, falls 80.2 mm to the bulkhead with every segment falling (no trap). Capped: cup fills to the weir (6 mm) and all water goes to the jug. Accessory may sit at any height below z 80 (gravity feed).

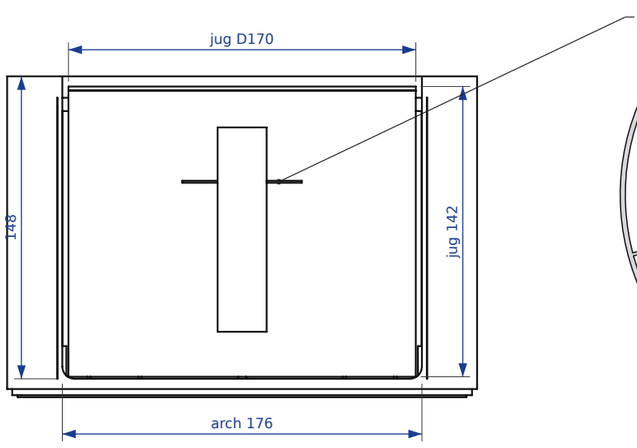
D TOP CAP 104 (1:3)



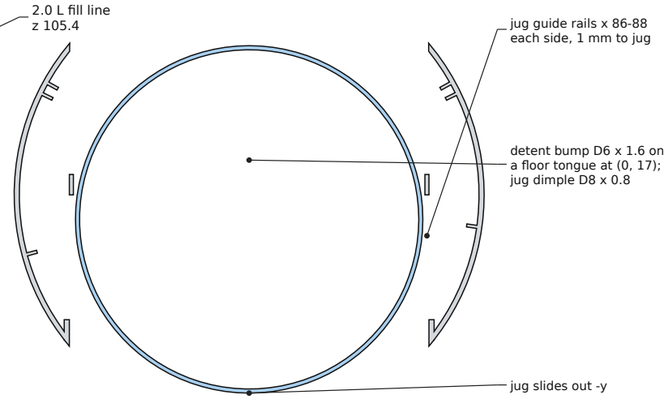
E FILTER RECESS / CAP INTERFACE (section A-A, rear side, 1:1)



B JUG DOCK, front (1:3)

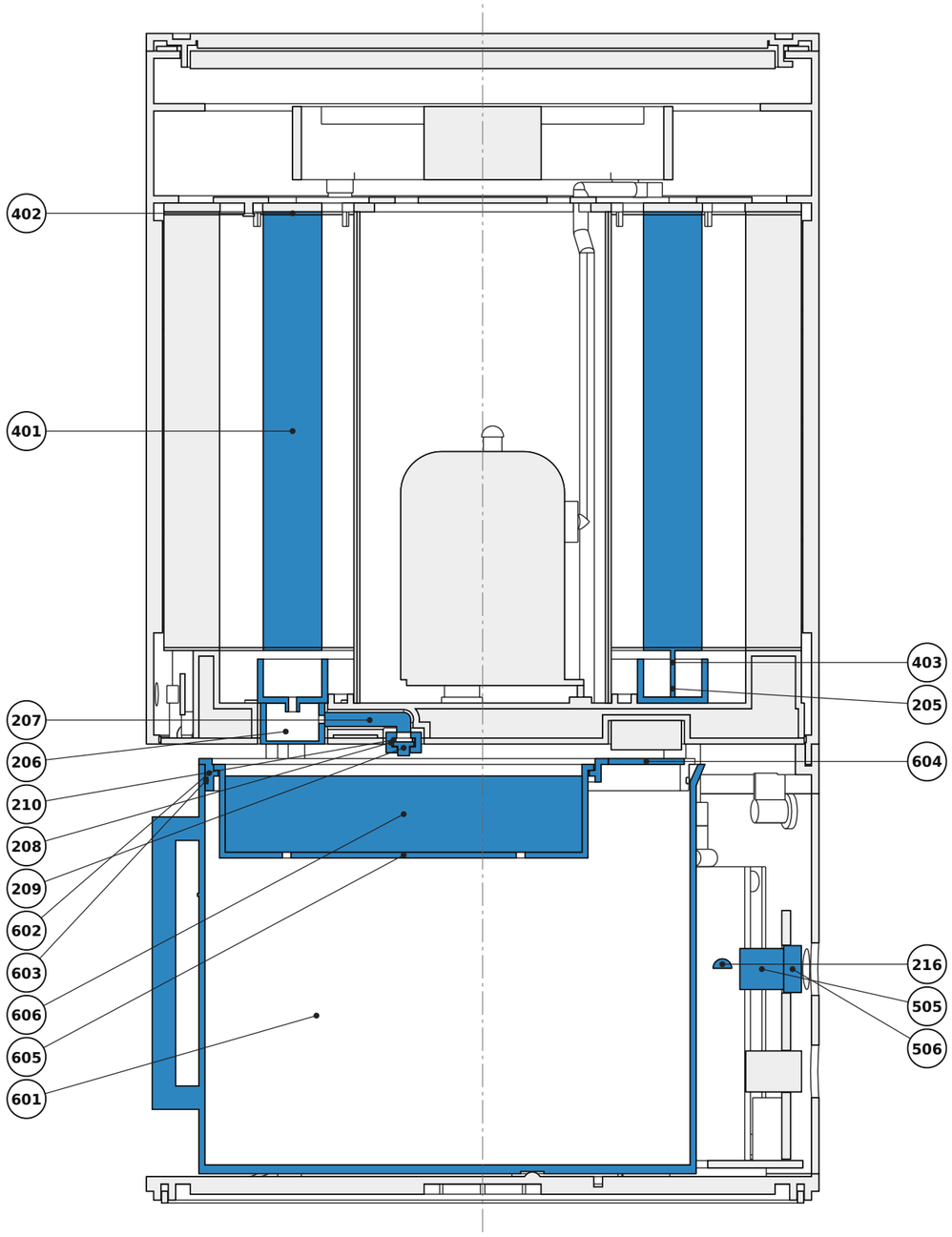


C DOCK PLAN at z 20 (1:3)



TITLE: **Interface control**			
PRODUCT: Water-from-air unit, cylindrical D230 x 400		REV: **C5 Rev A**	SHEET: **4 of 15**
STATUS: **CONCEPT, FOR RFQ; NOT FOR TOOLING**	UNITS / TOLERANCE: Units mm. Untoleranced dimensions	SCALE: **1:2, 1:3, 1:1**	DATE: 2026-11-15
PROJECTION: Third angle	for reference.	FILES: cad/C5_RevA_assembly.step	

SECTION A-A with water-contact parts highlighted (1:2)



water contact (drip, condensate, product water)

no water contact

Item	Part	Material	g
205	Drip trough	PP homopolymer, FG	40
206	Diverter cup with weir	304 stainless, deep drawn	16
207	Spout tube	304 stainless tube 4.8 x 1.0	3.0
208	Drip-stop valve body	PP, FG	0.5
209	Drip-stop poppet	PP + silicone seat	0.1
210	Drip-stop spring	316 stainless spring	0.2
216	AUX tube 1/4 in	LLDPE 1/4 in OD, NSF/ANSI 51/61	5.7
401	Evaporator fin pack	Al fin pack on Cu tube, effective…	426
402	Evaporator top end plate	Al 1.0, coated	22
403	Evaporator bottom end plate with feet	Al 1.0, coated	23
404 *	Evaporator inlet header 5/16 in with stu	Cu tube 7.94 OD	23
405 *	Evaporator outlet header 3/8 in with stu	Cu tube 9.52 OD	34
505	AUX OUT bulkhead push-fit	POM (acetal), NSF/ANSI 61	20
506	AUX OUT cap	POM (acetal)	3.0
601	Jug body	Copolyester (Tritan-type), FG, UV…	299
602	Jug lid	Copolyester (Tritan-type), FG	45
603	Jug lid seal	Silicone, FG	1.3
604	UV window	Fused quartz disc, bonded	2.3
605	Cartridge housing	PP, FG	45
606	Cartridge media	FG activated carbon + ion-exchang…	205

* not cut by plane A-A (header pair at 345 deg): see Sheet 6.

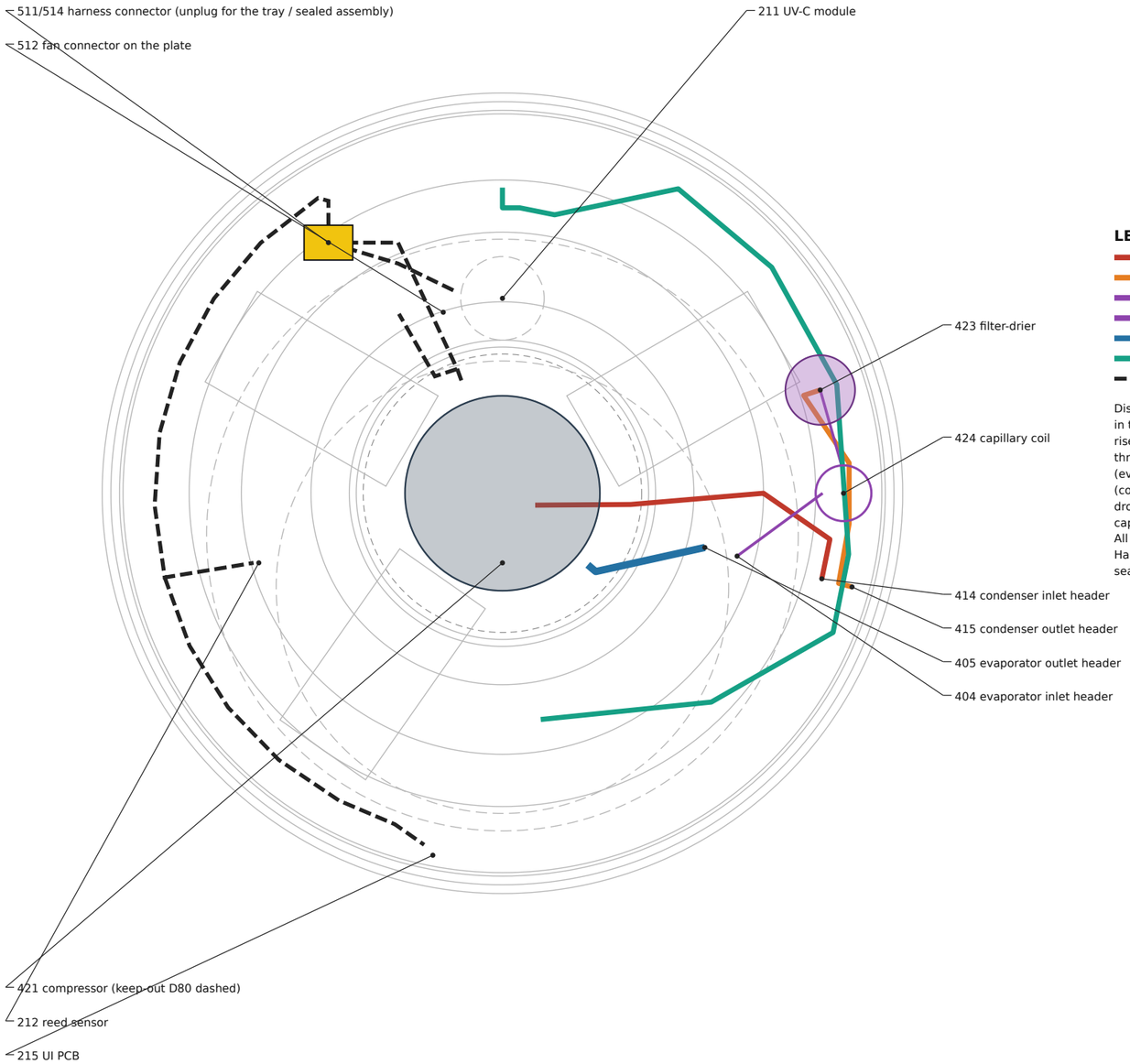
All water-contact plastics: food-contact grade (FDA 21 CFR 177 / EU 10/2011);
wetted path parts in the drinking-water path to NSF/ANSI 61 (AUX parts) and 42/53 (cartridge).
Evaporator 401-405 fin pack, end plates and headers: food-grade epoxy-phenolic coating after brazing.
Seals 603 and valve seat: food-grade silicone; spring 210: 316 stainless.
Not wetted: deck 201-204 (the trough 205 and cup 206 carry the water across it), lines, harness.
Standing water while AUX OUT is capped: 6.7 mL (tube + cup below the weir): UV-C 211 and a flush
routine cover the dead leg. Trough drains through 205 drop tube to the cup 206 (weir 6 mm).

TITLE

Water-contact parts and materials

PRODUCT Water-from-air unit, cylindrical D230 x 400		REV **C5 Rev A**	SHEET **5 of 15**
STATUS **CONCEPT, FOR RFQ; NOT FOR TOOLING**	UNITS / TOLERANCE Units mm. Untoleranced dimensions	SCALE **1:2**	DATE 2026-11-15
PROJECTION Third angle	for reference.	FILES cad/C5_RevA_assembly.step	

PLAN (1:1.6): lines, harness and AUX tube projected on the xy plane

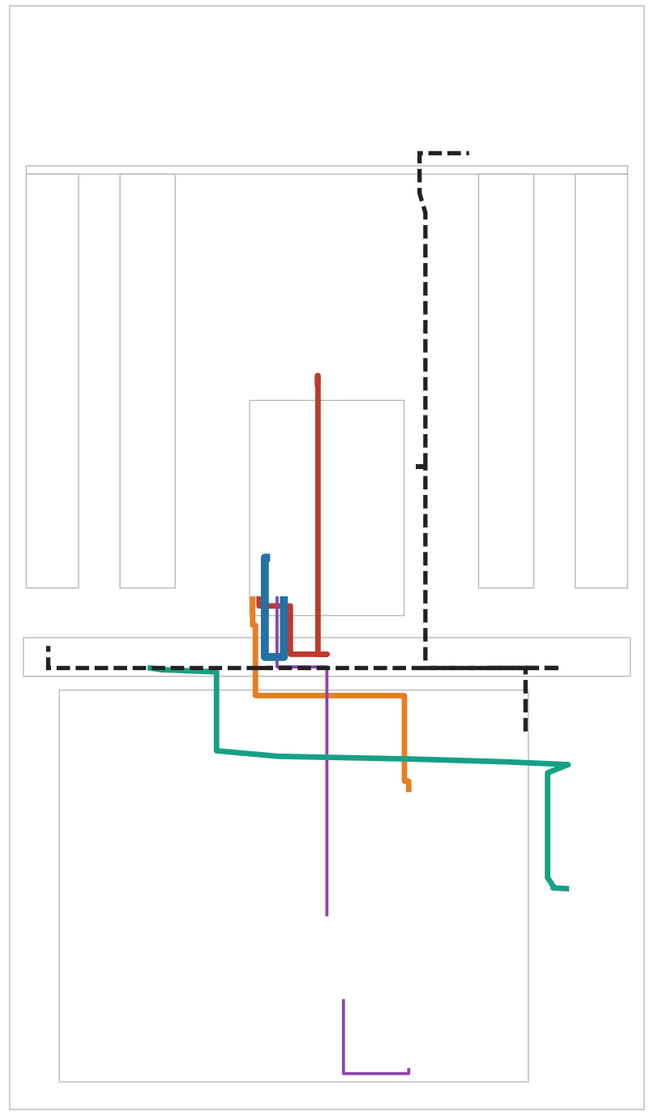


LEGEND

- 431 discharge 1/4 in, 227 mm
- 432 liquid 1/4 in, 138 mm
- 433 capillary D2, 54 mm
- 436 capillary D2, 147 mm
- 434 suction 3/8 in (insulated), 93 mm
- 216 AUX tube 1/4 in (water), 360 mm
- 509/510 harness, 634 mm

Discharge, suction and capillary run in the deck foam 203 (z 159-169) and rise to the header pairs at 345 deg through the trough chimneys (evaporator) and the riser bay (condenser). Liquid line and capillary drop through the deck to the drier and capillary coil in the base crescent. All lines ride with the sealed assembly. Harness unplugs at 511/514 (tray, sealed assembly) and 512 (fan).

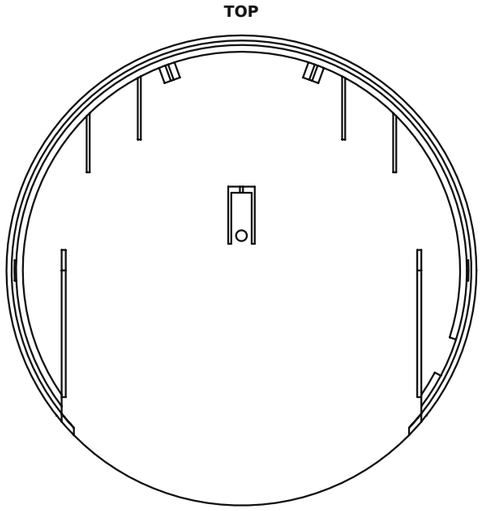
ELEVATION from +x (1:2.2): front -y on the left

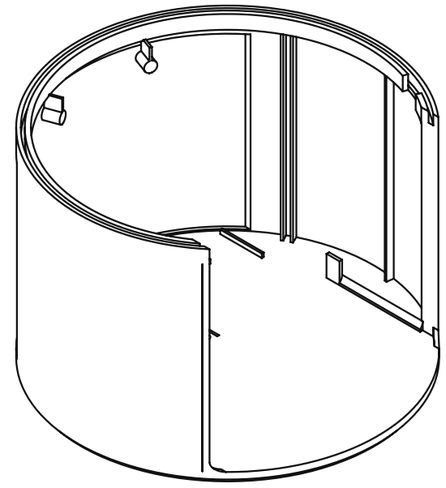


TITLE

Refrigeration and wiring routing

PRODUCT		REV	SHEET
Water-from-air unit, cylindrical D230 x 400		**C5 Rev A**	**6 of 15**
STATUS	UNITS / TOLERANCE	SCALE	DATE
CONCEPT, FOR RFQ; NOT FOR TOOLING	Units mm. Untoleranced dimensions	**1:1.6, 1:2.2**	2026-11-15
PROJECTION	for reference.	FILES	
Third angle		cad/C5_RevA_assembly.step	

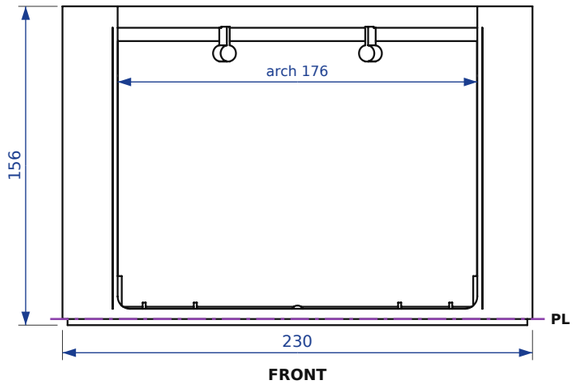


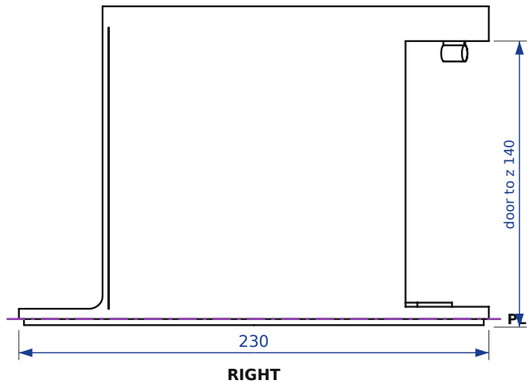


ISOMETRIC

PART DATA

Item 101 Base
Material: ABS
Mass: 306 g (CAD volume x density)
Nominal wall 2.5; ribs 1.5 (60 %); measured min wall 2.50
Pull direction: +z; parting line (PL): z 4 (skin bottom) / foot ring
Draft: 1 deg min on walls parallel to the pull (not modelled)
Screws: M3.5 x 13 thread-forming (701); pilot holes per supplier
Side actions: arch (-y), rear door opening (+y), 2 door bosses (radial).





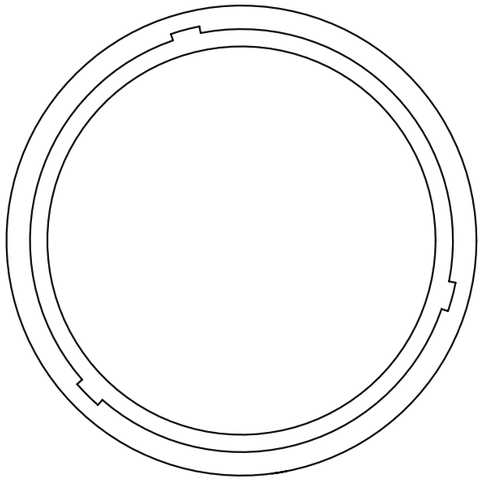
PRINCIPAL DIMENSIONS

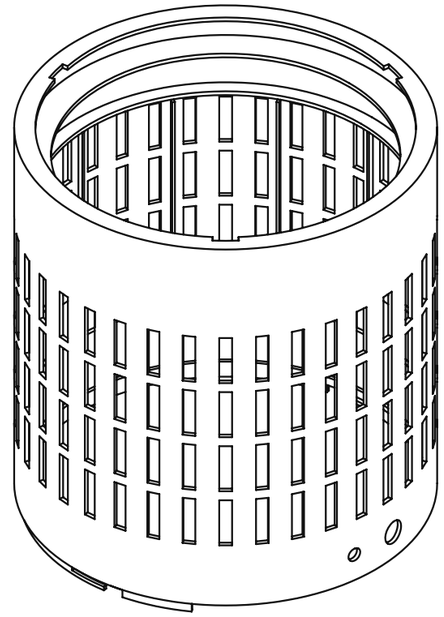
Skin D230 / D225 (2.5), z 4-157; floor 2.5 at z 6.5-9
Foot ring walls r 105-107.5 and r 110-112.5, groove for 105
Rim z 146.5-157: inner wall r 107-110.3, tongue groove r 110.3-112.5 x 7.5 deep
2 bayonet lugs r 110.2-111.1 at 0 / 180 deg; arch returns 2.5 x 9
Jug rails x +-86..88, z 9-25; tray rails x +-50 / +-75, z 9-12
Door bosses D8 x 11 radial at 70 / 110 deg, z 134; detent bump at (0, 17)

TITLE
Base 101

PRODUCT Water-from-air unit, cylindrical D230 x 400		REV **C5 Rev A**	SHEET **7 of 15**
STATUS **CONCEPT, FOR RFQ; NOT FOR TOOLING**	UNITS / TOLERANCE Units mm. Untoleranced dimensions	SCALE **1:3**	DATE 2026-11-15
PROJECTION Third angle	for reference.	FILES cad/C5_RevA_assembly.step	

TOP





ISOMETRIC

PART DATA

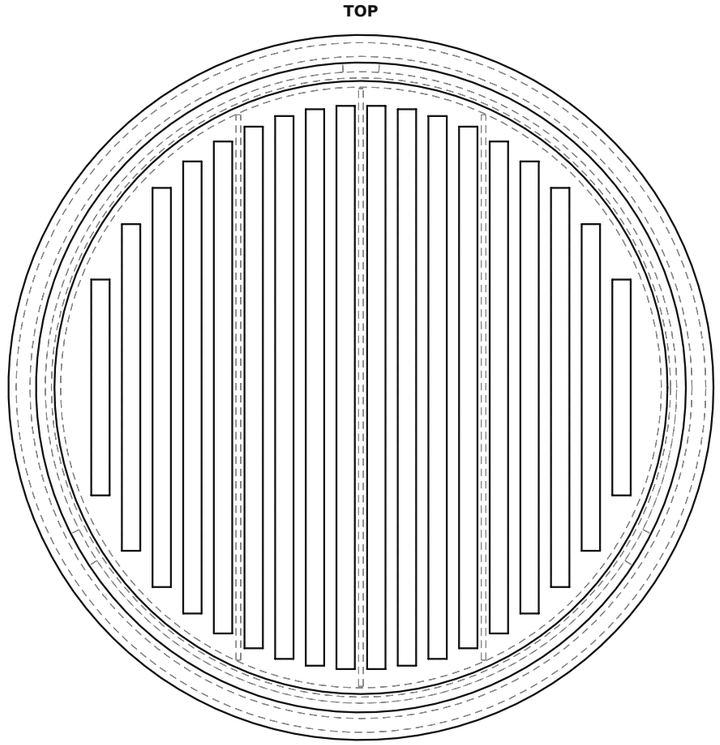
Item 103 Lift-off sleeve
Material: ABS
Mass: 444 g (CAD volume x density)
Nominal wall 2.5; ribs 1.5 (60 %); measured min wall 2.00
Pull direction: +z; parting line (PL): top edge z 394 (core from below)
Draft: 1 deg min on walls parallel to the pull (not modelled)
Screws: M3.5 x 13 thread-forming (701); pilot holes per supplier
Side actions: radial slides for 144 slots and UI windows;
lifters for bayonet tracks and cap notches.

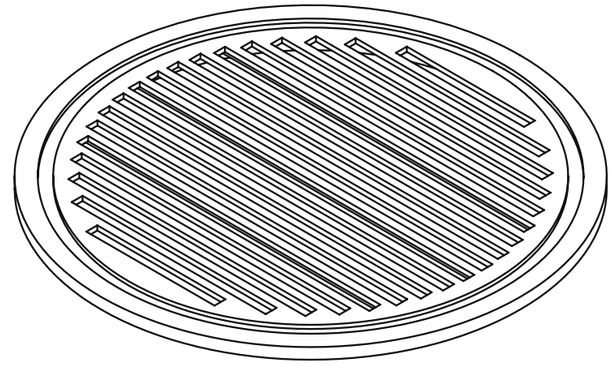
PRINCIPAL DIMENSIONS

D230 / D225 x z 150-394; exhaust 144 slots 7 x 30 (open 30245 mm2 >= 30000)
Tongue r 110.4-112.4 x 7, with 2 bayonet tracks (12 deg twist)
12 ribs 1.5 at 30 deg pitch, inner edge r 109.5 (0.5 to condenser), z 195-336
Plate retaining ring r 104 at z 342; filter ledge r 95 at z 373.5-376
Top flange r 103.5, z 391.5-394, 3 notches 14 wide for the cap lugs

TITLE
Lift-off sleeve 103

PRODUCT Water-from-air unit, cylindrical D230 x 400		REV **C5 Rev A**	SHEET **8 of 15**
STATUS **CONCEPT, FOR RFQ; NOT FOR TOOLING**	UNITS / TOLERANCE Units mm. Untoleranced dimensions	SCALE **1:3**	DATE 2026-11-15
PROJECTION Third angle	for reference.	FILES cad/C5_RevA_assembly.step	



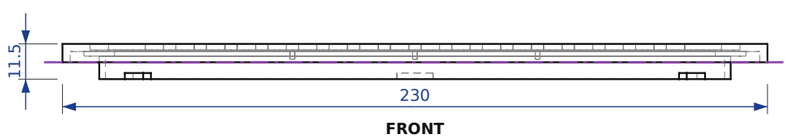


PART DATA

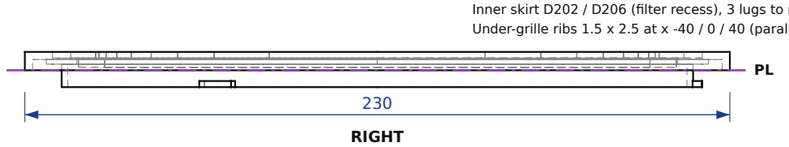
Item 104 Top cap
Material: ABS
Mass: 88 g (CAD volume x density)
Nominal wall 2.5 (channel 2.0); ribs 1.5 (60 %); measured min wall 2.00
Pull direction: +z; parting line (PL): skirt bottom z 394
Draft: 1 deg min on walls parallel to the pull (not modelled)
Screws: M3.5 x 13 thread-forming (701); pilot holes per supplier
Side actions: 3 bayonet lugs (lifters).

PRINCIPAL DIMENSIONS

D230 x 11.5 (z 388.5-400)
Grille r < 98: 18 slots 6 wide at 10 pitch, open 15932 mm2
Locating groove D200 / D212 x 2 (future filter cap)
Inner skirt D202 / D206 (filter recess), 3 lugs to r 106
Under-grille ribs 1.5 x 2.5 at x -40 / 0 / 40 (parallel to slots)



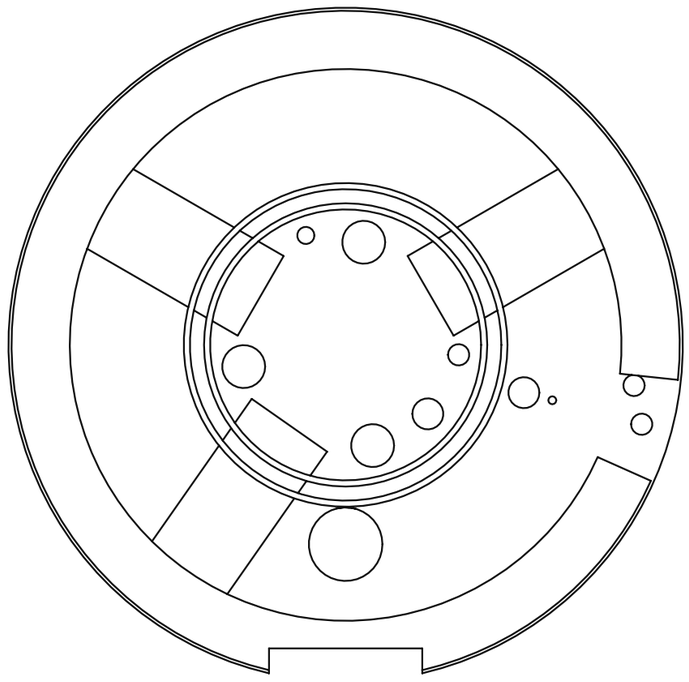


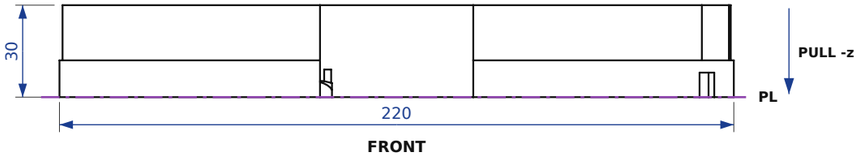


TITLE
Top cap 104

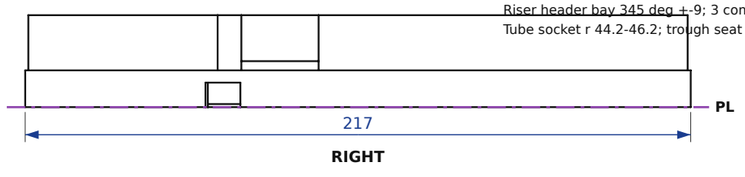
PRODUCT		REV	SHEET
Water-from-air unit, cylindrical D230 x 400		**C5 Rev A**	**9 of 15**
STATUS	UNITS / TOLERANCE	SCALE	DATE
CONCEPT, FOR RFQ; NOT FOR TOOLING	Units mm. Untoleranced dimensions	**1:2**	2026-11-15
PROJECTION Third angle	for reference.	FILES cad/C5_RevA_assembly.step	

TOP

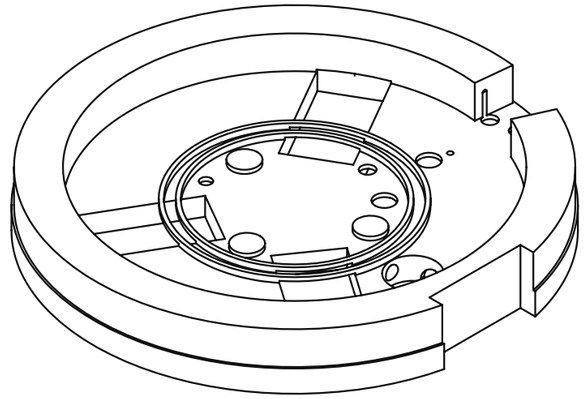




FRONT



RIGHT



ISOMETRIC

PART DATA

Item 201 Deck upper shell
Material: ABS
Mass: 167 g (CAD volume x density)
Nominal wall 2.0; ribs 1.5 (60 %); measured min wall 2.00
Pull direction: -z; parting line (PL): split plane z 159 (core from below)
Draft: 1 deg min on walls parallel to the pull (not modelled)
Screws: M3.5 x 13 thread-forming (701); pilot holes per supplier
Foam-in-place with 202 and the lines in a fixture.

PRINCIPAL DIMENSIONS

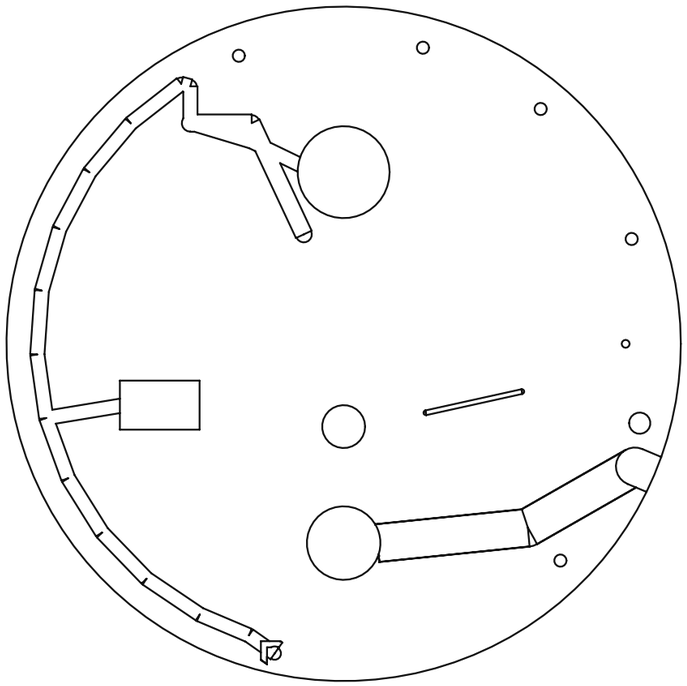
D220 x z 159-189; top skin z 169-171; riser r 90-109 to z 189
3 radial channels 30 x 10 at 30 / 150 / 235 deg, r 32-90
Riser header bay 345 deg +-9; 3 compressor pads D14 at r 34
Tube socket r 44.2-46.2; trough seat r 50.8-52.8; 5 screw bosses D8

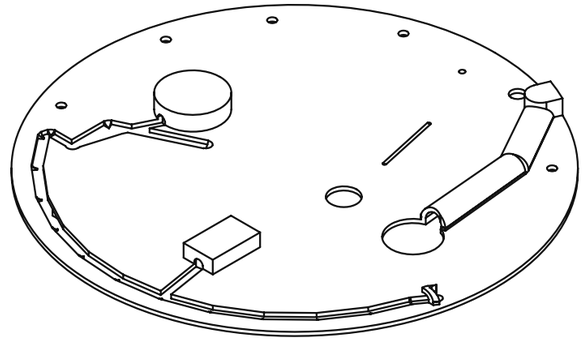
TITLE

Deck upper shell 201

PRODUCT Water-from-air unit, cylindrical D230 x 400		REV **C5 Rev A**	SHEET **10 of 15**
STATUS **CONCEPT, FOR RFQ; NOT FOR TOOLING**	UNITS / TOLERANCE Units mm. Untoleranced dimensions	SCALE **1:2**	DATE 2026-11-15
PROJECTION Third angle	for reference.	FILES cad/C5_RevA_assembly.step	

TOP

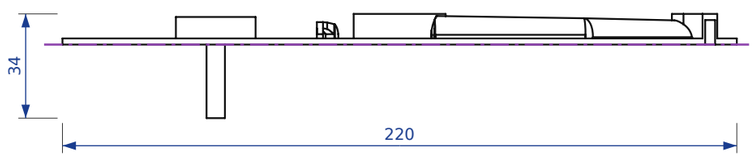




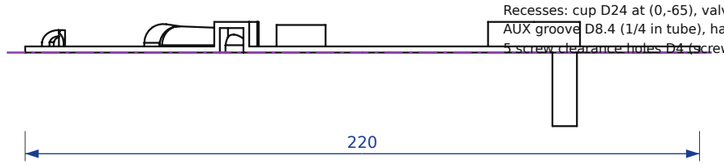
ISOMETRIC

PART DATA

Item 202 Deck lower shell
Material: ABS
Mass: 80 g (CAD volume x density)
Nominal wall 2.0; ribs 1.5 (60 %); measured min wall 2.00
Pull direction: +z; parting line (PL): bottom face z 157
Draft: 1 deg min on walls parallel to the pull (not modelled)
Screws: M3.5 x 13 thread-forming (701); pilot holes per supplier
All recesses and grooves open from below (in the pull).



FRONT



RIGHT

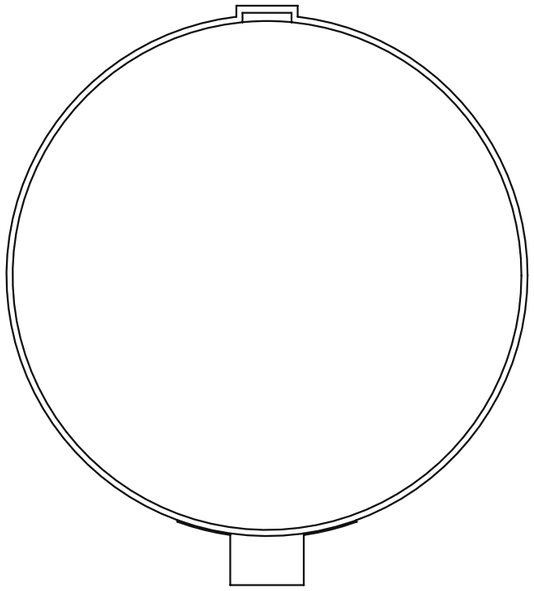
PRINCIPAL DIMENSIONS

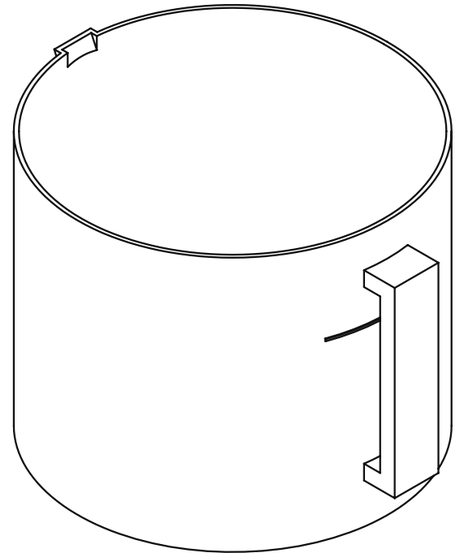
D220 plate z 157-159 + pocket / groove walls (connector post to z 133)
Recesses: cup D24 at (0,-65), valve D14, UV-C D26 x 9, reed 22 x 12 x 8
AUX groove D8.4 (1/4 in tube), harness grooves D4.6-5.6, open from below
5 screw clearance holes D4 (screws 701 from below)

TITLE
Deck lower shell 202

PRODUCT Water-from-air unit, cylindrical D230 x 400		REV **C5 Rev A**	SHEET **11 of 15**
STATUS **CONCEPT, FOR RFQ; NOT FOR TOOLING**	UNITS / TOLERANCE Units mm. Untoleranced dimensions	SCALE **1:2**	DATE 2026-11-15
PROJECTION Third angle	for reference.	FILES cad/C5_RevA_assembly.step	

TOP

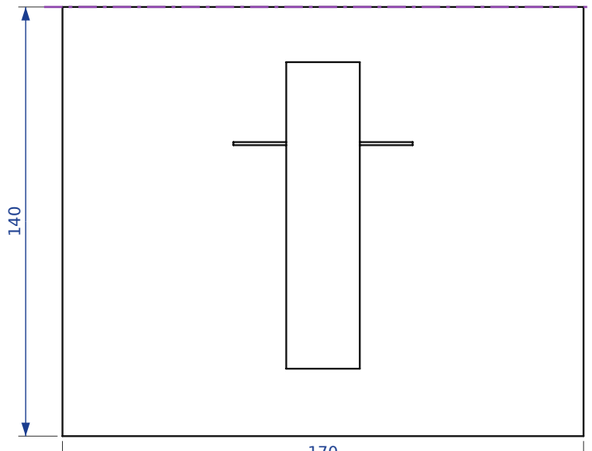




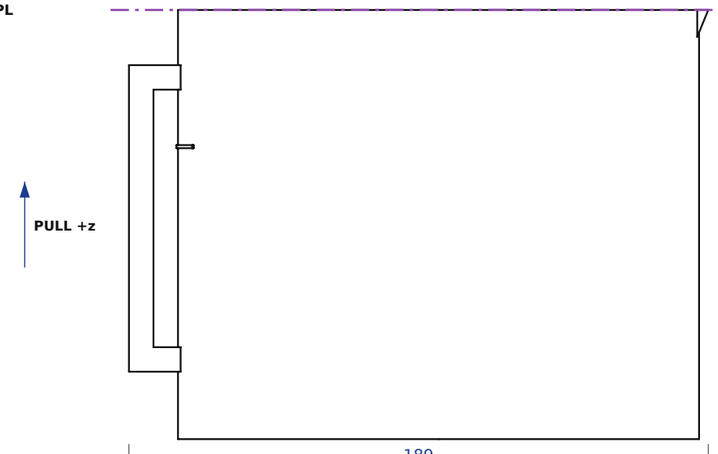
ISOMETRIC

PART DATA

Item 601 Jug body
Material: Copolyester (Tritan-type), food grade, UV-stabilised
Mass: 299 g (CAD volume x density)
Nominal wall 2.0 (base 3.0); ribs 1.5 (60 %); measured min wall 2.00
Pull direction: +z; parting line (PL): rim z 150
Draft: 1 deg min on walls parallel to the pull (not modelled)
Screws: M3.5 x 13 thread-forming (701); pilot holes per supplier
Side action: integral handle (-y) or clip-on handle.



FRONT

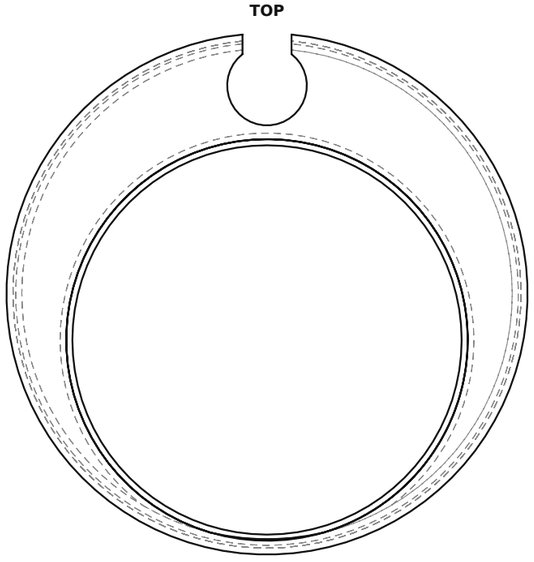


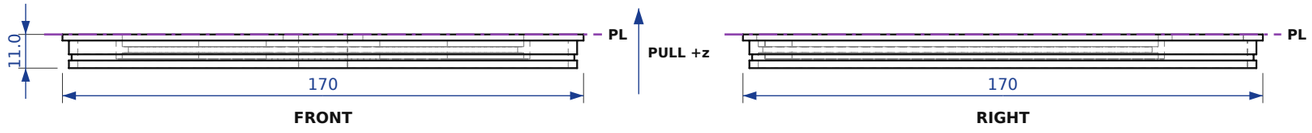
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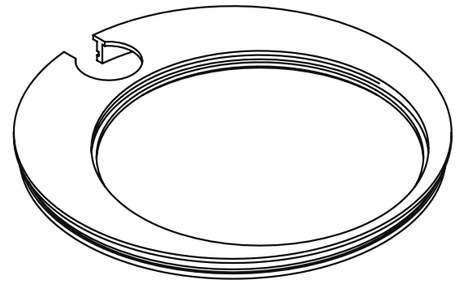
PRINCIPAL DIMENSIONS

D170 x 140 (z 10-150), wall 2.0, base 3.0
2.0 L to the fill line at z 105.4 (moulded bar, front)
Pour spout at the rear, 6 mm beyond D170; D-handle front 24 wide
Detent dimple D8 x 0.8 in the base at (0, 17)

TITLE: **Jug body 601**			
PRODUCT: Water-from-air unit, cylindrical D230 x 400		REV: **C5 Rev A**	SHEET: **12 of 15**
STATUS: **CONCEPT, FOR RFQ; NOT FOR TOOLING**	UNITS / TOLERANCE: Units mm. Untoleranced dimensions	SCALE: **1:2**	DATE: 2026-11-15
PROJECTION: Third angle	for reference.	FILES: cad/C5_RevA_assembly.step	







ISOMETRIC

PART DATA

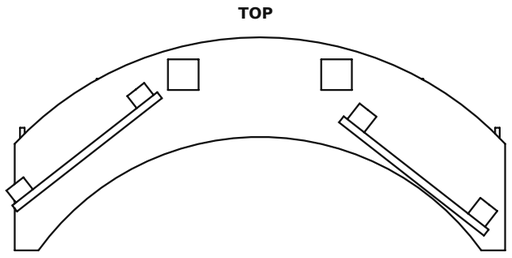
Item 602 Jug lid
Material: Copolyester (Tritan-type), food grade
Mass: 45 g (CAD volume x density)
Nominal wall 2.0; ribs 1.5 (60 %); measured min wall 2.00
Pull direction: +z; parting line (PL): top face z 152
Draft: 1 deg min on walls parallel to the pull (not modelled)
Screws: M3.5 x 13 thread-forming (701); pilot holes per supplier
Side action: seal groove on the skirt (or moulded lip seal).

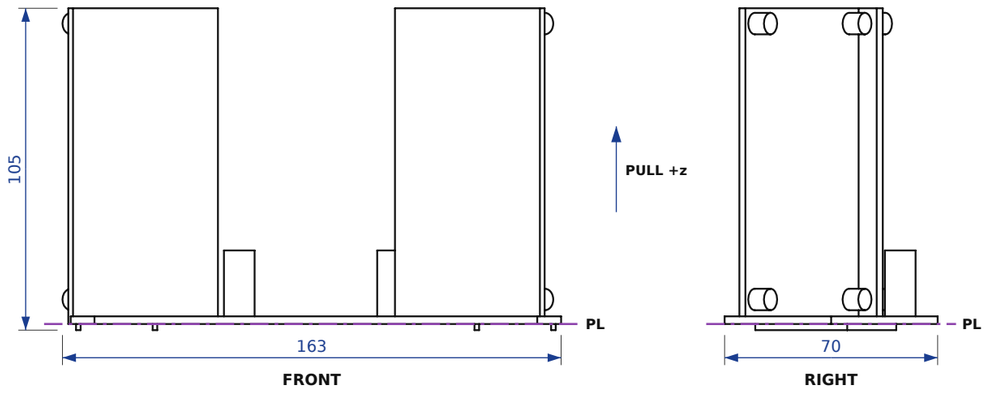
PRINCIPAL DIMENSIONS

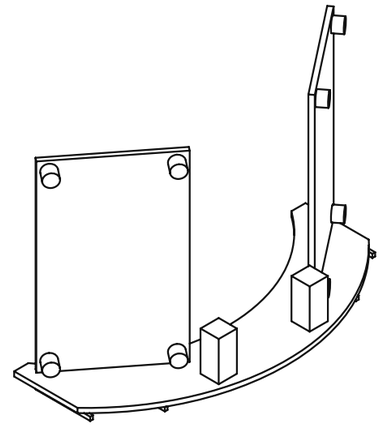
D170 plate 2.0 (z 150-152), skirt D160-166 to z 143
Cartridge opening D131 at (0,-27), ledge z 148 for the D130 flange
UV window seat D26 at (0, 56) for quartz disc 604
Webs: cartridge-UV 4.5, cartridge-edge 4.5, UV-edge 4.0
Pour notch 16 wide over the spout

TITLE
Jug lid 602

PRODUCT Water-from-air unit, cylindrical D230 x 400		REV **C5 Rev A**	SHEET **13 of 15**
STATUS **CONCEPT, FOR RFQ; NOT FOR TOOLING**	UNITS / TOLERANCE Units mm. Untoleranced dimensions	SCALE **1:2**	DATE 2026-11-15
PROJECTION Third angle	for reference.	FILES cad/C5_RevA_assembly.step	







ISOMETRIC

PART DATA

Item 501 Service tray
Material: ABS
Mass: 53 g (CAD volume x density)
Nominal wall 2.5; ribs 1.5 (60 %); measured min wall 2.50
Pull direction: +z; parting line (PL): floor bottom z 12
Draft: 1 deg min on walls parallel to the pull (not modelled)
Screws: M3.5 x 13 thread-forming (701); pilot holes per supplier
Side actions: 8 board standoffs (radial).

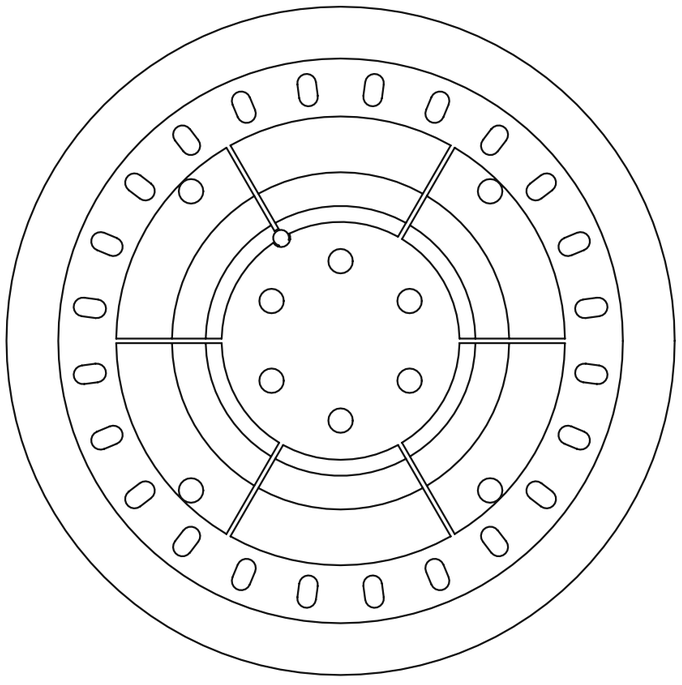
PRINCIPAL DIMENSIONS

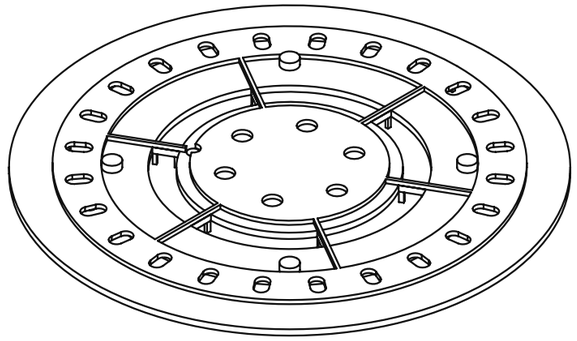
Floor 2.5 at z 12-14.5, crescent behind the jug (r <= 109.5)
Driver upright at +38 deg, control upright at -38 deg, 60 x 103
Standoffs D7 x 6.5 (driver) / x 5.0 (control), 4 each
Connector plate bosses 10 x 10 at x +-25; rail lips on 4 base rails
Slides out +y through the rear door (door retains it)

TITLE
Service tray 501

PRODUCT Water-from-air unit, cylindrical D230 x 400		REV **C5 Rev A**	SHEET **14 of 15**
STATUS **CONCEPT, FOR RFQ; NOT FOR TOOLING**	UNITS / TOLERANCE Units mm. Untoleranced dimensions	SCALE **1:2**	DATE 2026-11-15
PROJECTION Third angle	for reference.	FILES cad/C5_RevA_assembly.step	

TOP





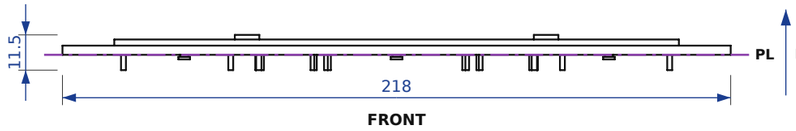
ISOMETRIC

PART DATA

Item 301 Plenum plate
Material: ABS
Mass: 72 g (CAD volume x density)
Nominal wall 3.0 / 2.0; ribs 1.5 (60 %); measured min wall 2.00
Pull direction: +z; parting line (PL): plate bottom z 339
Draft: 1 deg min on walls parallel to the pull (not modelled)
Screws: M3.5 x 13 thread-forming (701); pilot holes per supplier
302: BYPASS ORIFICE, AREA TO BE TUNED IN EVT (snap-in, replaceable).

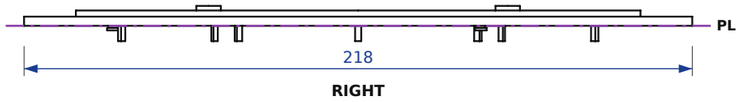
PRINCIPAL DIMENSIONS

301: D218 x 3; evaporator annulus r 44-55 open, 6 spokes 1.5 (3322 mm2)
301: 4 fan bosses D8 at r 69; tube / evaporator / condenser locating tabs
302: bypass 24 slots 6.10 x 10.6 at r 77-88 (1361 mm2)
302: tube 6 holes D8.0 at r 26 (300 mm2); ratio 0.50 x evaporator



FRONT

PULL +z



RIGHT

TITLE

Plenum plate 301 + orifice ring 302

PRODUCT Water-from-air unit, cylindrical D230 x 400		REV **C5 Rev A**	SHEET **15 of 15**
STATUS **CONCEPT, FOR RFQ; NOT FOR TOOLING**	UNITS / TOLERANCE Units mm. Untoleranced dimensions	SCALE **1:2**	DATE 2026-11-15
PROJECTION Third angle	for reference.	FILES cad/C5_RevA_assembly.step	