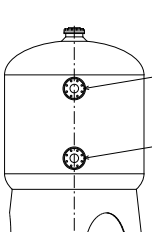
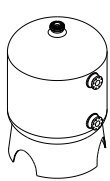


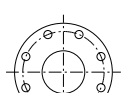
ELEVATION
SCALE 1:25

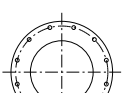


SIDE VIEW (FROM N1, N2)
SCALE 1:25



ISOMETRIC
SCALE 1:35





NOZZLE SCHEDULE

MARK	SIZE / TYPE	DRILLING	LOCATION	TYPICAL SERVICE *
N1	4 in [DN100] side flange, ASME B16.5 Cl.150 drilling, FF	8 x Ø19 [0.75] on Ø190.5 [7.50]	EL 1815 [71.46], 0°, face R935 [36.81]	Inlet / backwash outlet
N2	4 in [DN100] side flange, ASME B16.5 Cl.150 drilling, FF	8 x Ø19 [0.75] on Ø190.5 [7.50]	EL 999 [39.33], 0°, face R935 [36.81]	Outlet / backwash inlet
N3	6 in [DN150] tank flange + adaptor kit 10324, 4 in-BUN	12 x Ø19 [0.35] on Ø216 [8.50]	Top, face EL 2475 [97.44]	Control valve; 3 in NPTF riser
N4	6 in [DN150] tank flange + adaptor kit 10322, 3 in NPTF	12 x Ø19 [0.35] on Ø216 [8.50]	Bottom, face EL 317 [12.48], in base	Drain, 3 in NPTF

* Service per system design. EL = elevation above floor (underside of base).

NOTES

1. General arrangement of the Wave Cyber 6386 vessel for layout, piping and quotation, prepared from Wave Cyber drawing 1106322-00 rev 0. Not a certified vendor drawing: confirm against Wave Cyber's certified drawing before fabrication. Dimensions mm [in]; third-angle projection.
2. N1, N2: ASME B16.5 Class 150 4 in [DN100] bolt pattern on flat-faced FRP flanges. Mate only to flat-face flanges with a full-face gasket; do not bolt to raised-face flanges without a filler ring. Use washers under all bolt heads and nuts; torque to Wave Cyber limits.
3. Support all piping independently - no pipe loads or moments on N1-N4.
4. N3, N4: Wave Cyber 6 in [DN150] tank flange, NOT an ASME flange. Fit Wave Cyber 6 in flange kits (table below); each kit includes O-ring 10228. For US installations order the ENGLISH bolt kit 20151 versions (kit P/No 10320-10325, 10384); metric versions use bolt kit 20150.
5. Set level on a flat floor and anchor at 6 positions with 3/8 in [9.5 mm] anchors per Wave Cyber's tripod-base pattern (pattern by Wave Cyber).
6. Max 150 psi [10.5 bar]; provide pressure relief / pressure-reducing valve where supply can exceed it, and a vacuum breaker for draining (max 5 inHg [127 mmHg]).
7. NSF/ANSI 61 / 372 listing for potable-water filtration service to be confirmed with Wave Cyber.
8. Rev B. 6 in flange accessories added; N3/N4 flange face corrected to flat. Rev C: N3 changed to adaptor 10324 (4 in-BUN control valve, 3 in NPTF riser inside); N4 adaptor 10322 (3 in NPTF drain); valve by others. Rev D: unsourced material data removed. Rev E: title block.

6 in FLANGE ACCESSORIES (Wave Cyber Accessory List; threads NPTF ASME B1.20.3, UN ASME B1.1)

KIT P/N	WAVE CYBER 6 in [DN150] FLANGE ACCESSORY (PPO GFN2, BLACK)	VENDOR DWG	OVERALL	ON THIS VESSEL
10321	6 in FLG closure, blind; Ø238 [9.37], 25.4 (1.0) flange	113181-03-04	62.0 [2.44]	Option; blind top
10322	6 in FLG x 3 in-fi NPTF (out) x 3 in-fi NPTF (in) adaptor	113181-03-03	137.5 [5.41]	N4 bottom - SUPPLIED
10324	6 in FLG x 4 in-BUN (out) x 3 in-fi NPTF (in) adaptor	113181-03-01	137.5 [5.41]	N3 top - SUPPLIED (valve)
10684	6 in FLG x 4 in x 3 in NPTF closure (internal 3 in NPTF hub)	113181-03-12	137.5 [5.41]	Option
10320	6 in FLG x 4 in-BUN reducer	-	-	Option; 4 in-BUN valve
10228	O-ring seal, ~183.5 x 7.0 [7.22 x 0.28], included in every kit	-	-	N3, N4
20151	English bolt kit (12 bolts), included in the kits above	-	-	Specify for US

DESIGN DATA	
Vessel	Wave Cyber 6386, side flange opening (ANSI)
Vendor drawing	Wave Cyber 1106322-00 rev 0
Volume	3,306 L [873.3 US gal, 116.75 ft³]
Dome volume (each)	511 L [135.0 US gal]
Max working pressure	150 psi [10.5 bar]
Temperature	34-150 °F [1-65 °C]
Max vacuum	5 inHg [127 mmHg]
Shell	Filament-wound FRP (laminate per Wave Cyber)
Liner	Inner liner (material per Wave Cyber)
Base	Tripod base, bonded to tank
Dry weight	367.7 kg [810.6 lb] (Wave Cyber)
Weight, water-filled	~3,674 kg [8,100 lb], no media
Standard	NSF/ANSI 44 (per vendor drawing)
Colour	Blue shown; colour per order

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WAVE CYBER 6386 FRP PRESSURE VESSEL
GENERAL ARRANGEMENT

63 in nom. [OD 1633 mm] FRP vessel, 2 x 4 in [DN100] ANSI 150 side flanges, 6 in [DN150] top + bottom flanges, tripod base

DRAWN: ForeverPure

DWG NO. FP-WC6386-GA-01 REV E	SHEET 1 OF 1
DUAL UNITS: mm [in] THIRD ANGLE SCALE AS NOTED	DATE 21-Nov-2026