NANOH2O

Product Data Sheet

QuantumFlux™ MBR SKID

Membrane Bioreactor Skid Specifications

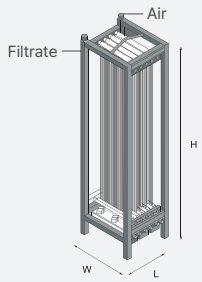
05 Module Skids

Skid Name	S1015-11ZD-MBR-05D	S1522-11ZD-MBR-05D	S2030-11ZD-MBR-05D
Membrane Module Name	QuantumFlux™ S1015	QuantumFlux™ S1522	QuantumFlux™ S2030
Filtration Surface Area (m^2) [ft^2]	75 [807]	110 [1,184]	150 [1,614]
Typical Flowrate, Municipal* (m^3/day) [gpm]	41 [8]	59 [11]	81 [15]
Typical Flowrate, Industrial* (m^3/day) [gpm]	29 [5]	43 [8]	58 [11]
L (mm) [inches]	555 [22]	555 [22]	555 [22]
W (mm) [inches]	640 [25]	640 [25]	640 [25]
H** (mm) [inches]	1,530 [60]	2,030 [80]	2,530 [99]
Filtrate Connection* (mm) [inches]	DN40 [1½]	DN40 [1½]	DN50 [2]
Air Connection* (mm) [inches]	DN40 [1½]	DN40 [1½]	DN40 [1½]
Max. Weight, Dry*** (kg) [lbs]	88 [194]	112 [247]	141 [311]
Skid Weight without modules (kg) [lbs]	58 [128]	67 [148]	76 [168]
Lifting Weight, Wet**** (kg) [lbs]	148 [326]	202 [445]	271 [597]
Skid Frame Material	SS304 or SS316L		

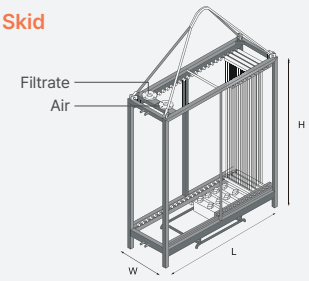
25 Module Skids

Skid Name	S1015-11ZD-MBR-25D	S1522-11ZD-MBR-25D	S2030-11ZD-MBR-25D
Membrane Module Name	QuantumFlux™ S1015	QuantumFlux™ S1522	QuantumFlux™ S2030
Filtration Surface Area (m^2) [ft^2]	375 [4,037]	550 [5,918]	750 [8,070]
Typical Flowrate, Municipal* (m^3/day) [gpm]	202 [37]	297 [54]	405 [74]
Typical Flowrate, Industrial* (m^3/day) [gpm]	142 [28]	213 [39]	291 [53]
L (mm) [inches]	2,195 [86]	2,195 [86]	2,195 [86]
W (mm) [inches]	690 [27]	690 [27]	690 [27]
H** (mm) [inches]	1,530 [60]	2,030 [80]	2,530 [99]
Filtrate Connection* (mm) [inches]	DN65 [2½]	DN65 [2½]	DN80 [3]
Air Connection* (mm) [inches]	DN65 [2½]	DN65 [2½]	DN65 [2½]
Max. Weight, Dry*** (kg) [lbs]	353 [778]	440 [970]	551 [1215]
Skid Weight without modules (kg) [lbs]	203 [448]	215 [474]	226 [498]
Lifting Weight, Wet**** (kg) [lbs]	653 [1440]	890 [1962]	1,201 [2648]
Skid Frame Material	SS304 or SS316L		

05 Module Skid



25 Module Skid



Product Nomenclature

S2030 - 1 2 ZD-MBR 50 D 316L

- Skid Material - SS304 or SS316L
- Module Spacing - 75 mm
- Number of modules that can be installed on skid
- Aeration Design - ZD = Integrated Air/Water pipes, FD = Independent Air/Water pipes
- Number of Rows - 1 or 2
- Number of Vertical Layers - 1 or 2
- Module Type - "S2030" = QuantumFlux™ S2030

50 Module Skids

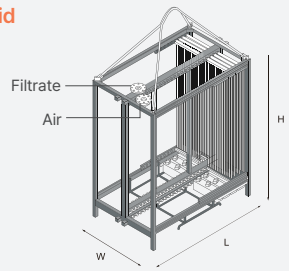
Skid Name	S1522-12ZD-MBR-50D	S2030-12ZD-MBR-50D
Membrane Module Name	QuantumFlux™ S1522	QuantumFlux™ S2030
Filtration Surface Area (m^2) [ft^2]	1,100 [11,836]	1,500 [16,140]
Typical Flowrate, Municipal* (m^3/day) [gpm]	594 [109]	810 [149]
Typical Flowrate, Industrial* (m^3/day) [gpm]	427 [78]	582 [107]
L (mm) [inches]	2,195 [86]	2,195 [86]
W (mm) [inches]	1,280 [50]	1,280 [50]
H** (mm) [inches]	2,030 [80]	2,530 [99]
Filtrate Connection* (mm) [inches]	DN100 [4]	DN100 [4]
Air Connection* (mm) [inches]	DN100 [4]	DN100 [4]
Max. Weight, Dry*** (kg) [lbs]	745 [1,642]	961 [2,119]
Skid Weight without modules (kg) [lbs]	295 [650]	311 [686]
Lifting Weight, Wet**** (kg) [lbs]	1,645 [3,627]	2,261 [4,985]
Skid Frame Material	SS304 or SS316L	

92 Module Skids

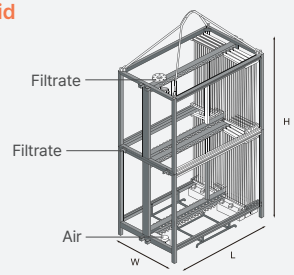
Skid Name	S1522-22ZD-MBR-92D	S2030-22ZD-MBR-92D
Membrane Module Name	QuantumFlux™ S1522	QuantumFlux™ S2030
Filtration Surface Area (m^2) [ft^2]	2,024 [21,778]	2,760 [29,698]
Typical Flowrate, Municipal* (m^3/day) [gpm]	1,093 [200]	1,490 [273]
Typical Flowrate, Industrial* (m^3/day) [gpm]	789 [145]	1,076 [197]
L (mm) [inches]	2,175 [85]	2,175 [85]
W (mm) [inches]	1,280 [50]	1,280 [50]
H** (mm) [inches]	3,730 [147]	4,730 [186]
Filtrate Connection* (mm) [inches]	DN100 [4]	DN100 [4]
Air Connection* (mm) [inches]	DN100 [4]	DN100 [4]
Max. Weight, Dry*** (kg) [lbs]	1,275 [2,811]	1,679 [3,702]
Skid Weight without modules (kg) [lbs]	447 [985]	483 [1,065]
Lifting Weight, Wet**** (kg) [lbs]	2,931 [6,462]	4,071 [8,975]
Skid Frame Material	SS304 or SS316L	

* Typical values provided may change based on project specific requirements.
** Skid only not inclusive of any lifting apparatus
*** Crated with maximum number of modules
**** Varies with number of modules and solids accumulation

50 Module Skid



92 Module Skid



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