



Single Ceramic Membrane Module

- ◆ Definition

Pressure-resistant shell for loading ceramic membrane element

- ◆ Main Component

Stainless steel pressure shell & seals

- ◆ Principle

A module has two connections, which the fluids enter into and come out



Single Ceramic Membrane Module

Single module Technical data

Module type	CMV1-30-1200mm
Module material	Stainless steel 316(L)
Number of loading membrane element	1pcs
Seal material	EPDM, FKM ,Silicon
Connection type	clamp ,flange
matching membrane outside diameter	30mm
matching membrane outside diameter	1200mm



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Single Ceramic Membrane Module

Technical data of Membrane Element

Membrane Type	CMF19040
Number of membrane channel	19
Channel diameter	4.0mm
Outside diameter	30mm
Length	1200mm
Membrane area	0.29m ²
Pore size	500nm,200nm,50nm,20nm,8nm,5nm
Membrane material	Al ₂ O ₃ /TiO ₂



Single Ceramic Membrane Module

Technical data of Membrane Element

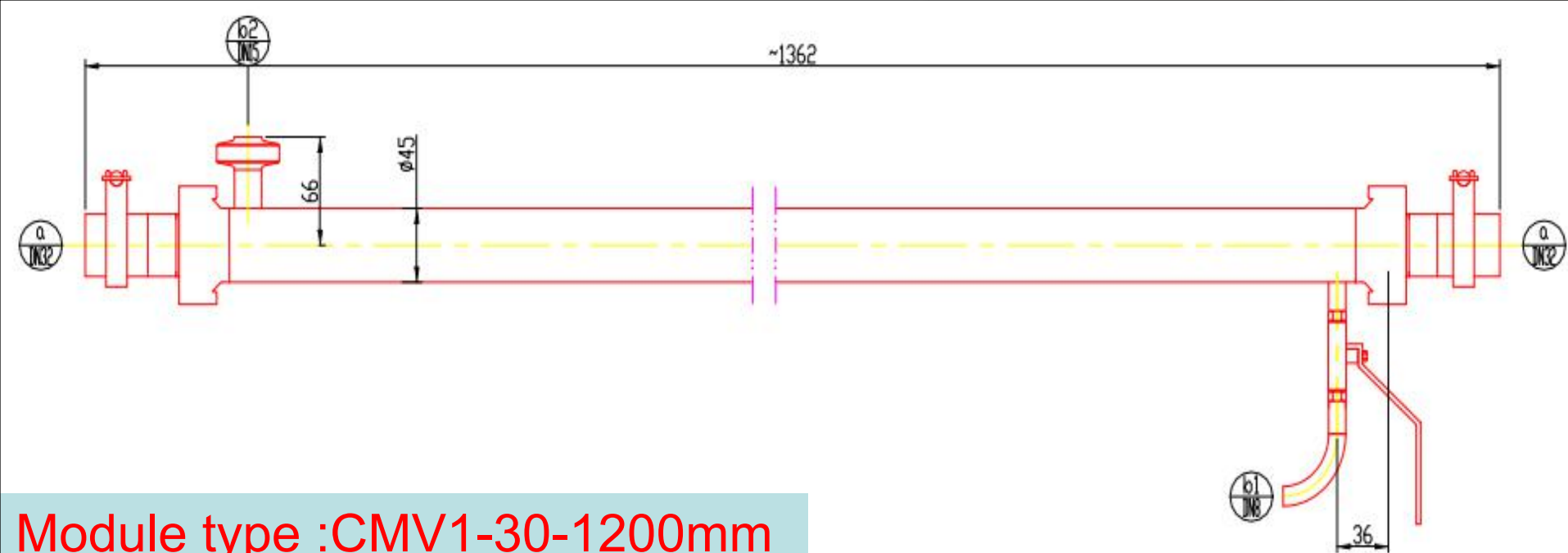
Membrane Type	CMF37027
Number of membrane channel	37
Channel diameter	2.7mm
Outside diameter	30mm
Length	1200mm
Membrane area	0.37m ²
Pore size	500nm,200nm,50nm,20nm
Membrane material	Al ₂ O ₃ /TiO ₂



Single Ceramic Membrane Module

Technical data of Membrane Element

Membrane Type	CMF07060
Number of membrane channel	7
Channel diameter	6.0mm
Outside diameter	30mm
Length	1200mm
Membrane area	0.15m ²
Pore size	500nm,200nm,50nm
Membrane material	Al ₂ O ₃ /TiO ₂



Mark	Nom.size	Nom.Pressure	Mating STD.	Mating Type	Service
a1-a2	DN32	PN10	ISO1.5"(Φ38.1)	clamp	inlet &outlet
b1	DN8	PN10	DIN(Φ19)	loose joint	permeate outlet
b2	DN15	PN10	/	optical aperture	permeate outlet



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Installation Steps



① Preparing the membrane module



② Putting seal onto membrane element



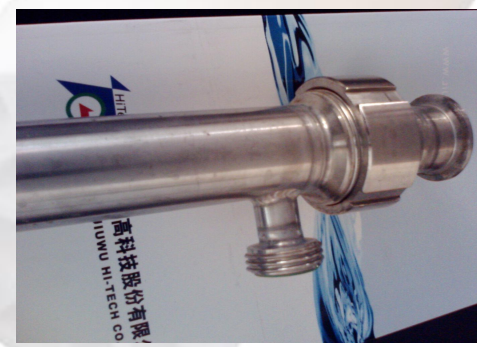
③ Putting membrane element into module



④ Installing the module head



⑤ Installing seal on the other end



⑥ Installing another head



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Precautions

- ◆ After membrane element is installed, membrane module is properly protected.
- ◆ When installation, soft materials should be placed under the membrane module to prevent damage to the membrane.
- ◆ Installation process should be gentle.
- ◆ The seals at both ends should be installed flat.



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Service

Please contact us for further information .

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