

HYDROSPHERE TECHNOLOGIES, LLC™

Hydrosphere HSPV Series S.S. Membrane Vessels

are your best choice for a quality membrane vessel. High quality, durability, flawless finish are but a few features which make the HSPV Series Membrane Vessel the best product in the market. Accurate dimensions and precise tolerances equal a perfectly engineered product that not only meets your requirements but fits your price expectations.

Hydrosphere HSPV Series S.S. Membrane Vessels

have clamp closures that form tightly onto the vessel ends and incorporate glass reinforced Polyamide caps to provide a strong and tight seal.

Product Specifications

Body: 304 Stainless Steel

End Caps: Glass Reinforced Polyamide

O-rings/Packing: EPDM



HSPV SERIES SPECIFICATIONS

	Part Number	Size	Feed	Permeate	Housing	End Caps	Style	Type	Pressure	Qty	Weight (lbs)	Weight (kgs)
MEMBRANE VESSELS	HSPV-2521	2.5" x 21"	3/8"	3/8"	304	GRP	End Port	U-Clamp	300 PSI	1	9	4.08
	HSPV-2540	2.5" x 40"	3/8"	3/8"	304	GRP	End Port	U-Clamp	300 PSI	1	11	4.99
	HSPV-4021-12	4" x 21"	1/2"	1/2"	304	GRP	End Port	U-Clamp	300 PSI	1	14	6.35
	HSPV-4040-12	4" x 40"	1/2"	1/2"	304	GRP	End Port	U-Clamp	300 PSI	1	20	9.07
	HSPV-4040-34	4" x 40"	3/4"	1/2"	304	GRP	End Port	U-Clamp	300 PSI	1	20	9.07
	HSPV-4040SP	4" x 40"	3/4"	1/2"	304	GRP	Side Port	U-Clamp	300 PSI	1	19	8.62
	HSPV-4043	4" x 43"	3/4"	1/2"	304	GRP	End Port	U-Clamp	300 PSI	1	21	9.53
	HSPV-4061	4" x 61"	3/4"	1/2"	304	GRP	End Port	U-Clamp	300 PSI	1	24	10.89
	HSPV-4080	4" x 80"	3/4"	1/2"	304	GRP	End Port	U-Clamp	300 PSI	1	30	13.61
	HSPV-4080SP	4" x 80"	3/4"	1/2"	304	GRP	Side Port	U-Clamp	300 PSI	1	30	13.61

* HSPV-4080 will include both HSPV-40 COUPLER and HSPV-40CPLR for customer's choice.

HSPV SERIES SPECIFICATIONS

	Part Number	Description	Case Qty
ACCESSORIES	HSPV-25CAP	End Cap Black for 2.5" RO Vessel	1
	HSPV-25CLMPKIT	Clamp Set for 2.5" RO Vessel	1
	HSPV-25CAPORING	Cap O-Ring for 2.5" RO Vessel	1
	HSPV-40CAPORING	Cap O-Ring for 4.0" RO Vessel	1
	HSPV-40CAP12	End Cap Black for 4" RO Vessel 1/2" Feed Port, 1/2" Brine	1
	HSPV-40CAP34	End Cap Black for 4" RO Vessel 3/4" Feed Port, 1/2" Brine	1
	HSPV-40CHNLCLMP	Channel Clamp for 4" RO Vessel	1
	HSPV-40CLMPKIT	Clamp Set for 4" RO Vessel	1
	HSPV-40COUPLER	Coupler for 4" Filmtec Membrane (Shorter)	1
	HSPV-40CPLR-SP	Coupler for 4" Side Port	1
	HSPV-ORING	Permeate O-Ring for 2.5" & 4" SPV End Cap	1



HFRPV Series

HFR PRESSURE VESSEL

Materials of Construction

Shell: Filament Wound Glass Composite
Coating: High Gloss Polyurethane
End Cap: Noryl

Product Specifications

Maximum Operating Temperature: 120 °F (49 °C)
Minimum Operating Temperature: 20 °F (-7 °C)
Maximum Operating Pressure: 300 PSI (20.7 bar)

HFR SERIES SPECIFICATIONS

Part Number	Description	Case Qty
HFRPV-4030E	4" x 40" HFR Pressure Vessel, 300 psi, 3/4" single element, end port	1



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