Vacuum Pumps America Inc.
Diffusion Pumps VPADIF series

VPADIF- 3A, VPADIF- 4A

VPADIF – 3, VPADIF- 4, VPADIF- 6, VPADIF- 8, VPADIF- 10

VPADIF- 14, VPADIF- 22, VPADIF- 28

Features of VPADIF series Diffusion Pumps:

- Simple design
- Reliable
- High pumping speed
- High Backing pressure
- Low power consumption
- Low oil consumption
- Low oil back streaming
- Easy to service
- Economically priced
- Long life
- Explosion Proof Version Available upon request for some models

Please contact: sales@vpamerica.com or Call us @ 416-407-0350

Specifications of VPADIF series Diffusion Pumps:

Model		VPADIF-3A	VPADIF-4A	VPADIF-3	VPADIF-4	VPADIF-6	VPADIF-8	VPADIF-10	VPADIF-14	VPADIF-22	VPADIF-28
Pumping Speed	L/s	150	250	360	570	1200	1950	3000	5500	13000	25000
Ultimate Vacuum with Baffle	Torr	10^{-7}	10^{-7}	10^{-7}	10^{-7}	10^{-7}	10^{-7}	10^{-7}	10^{-7}	10^{-7}	10^{-7}
Fore Vacuum Pressure	Torr	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Heater Power	kW	0.45	0.7	0.45	0.7	1	1.5	1.9	4.5	9	15
Power rating	Volt	220, 1Ø	220, 1Ø	220, 1Ø	220, 1Ø	220, 1Ø	220, 1Ø	220, 1Ø	220, 3Ø	220, 3Ø	220, 3Ø
Warm up time	Minutes	20	20	20	20	25	25	30	35	40	45
Oil Filling	Milliliter	100	150	100	150	340	500	810	1600	5000	9000
Cooling Water Flow	L/min	Air Cooled	Air Cooled	1	1.5	3	4	5	7	11	15
Oil Back Streaming	$mg/cm^2.min$	2×10^{-4}	2×10^{-4}	2×10^{-4}	2×10^{-4}	2×10^{-4}	2×10^{-4}	2×10^{-4}	2×10^{-4}	2×10^{-4}	2×10^{-4}
Inlet Connection	JIS ISO	VG80 ISO	VG100 ISO	VG100 ISO	VG100 ISO	VG150 ISO	VG200 ISO	VG250 ISO	VG350 ISO	VG550 ISO	VG700 ISO
Outlet Connection	JIS ISO	NW25	NW25	NW25	VG50 NW	VG50 ISO	VG50 ISO	VG80 ISO	VG100 ISO	VG160 ISO	VG200 ISO
Weight	Kg	7.5	10	6	8	20	30	41	120	180	270

Specifications are subjected to change without notice to improve product quality

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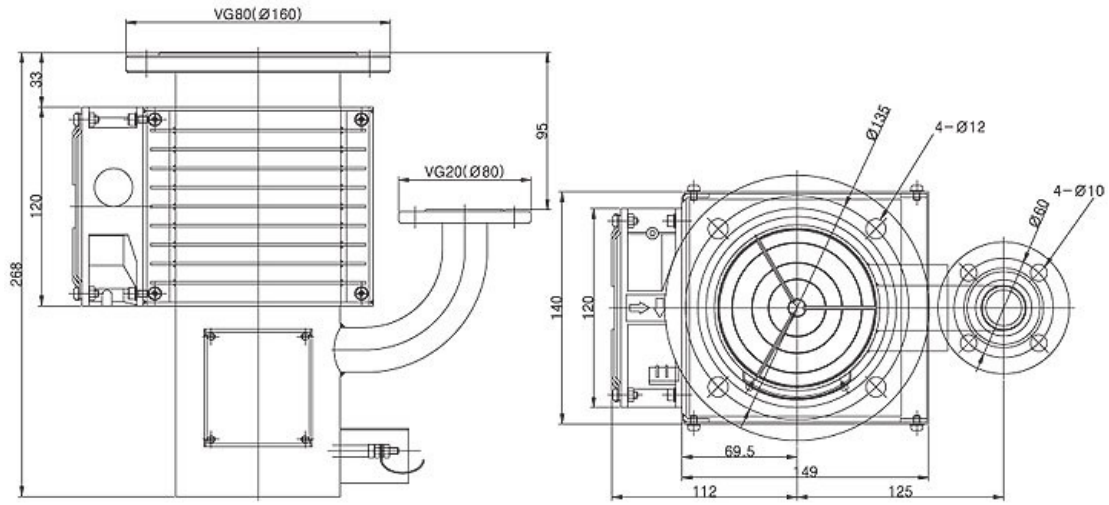
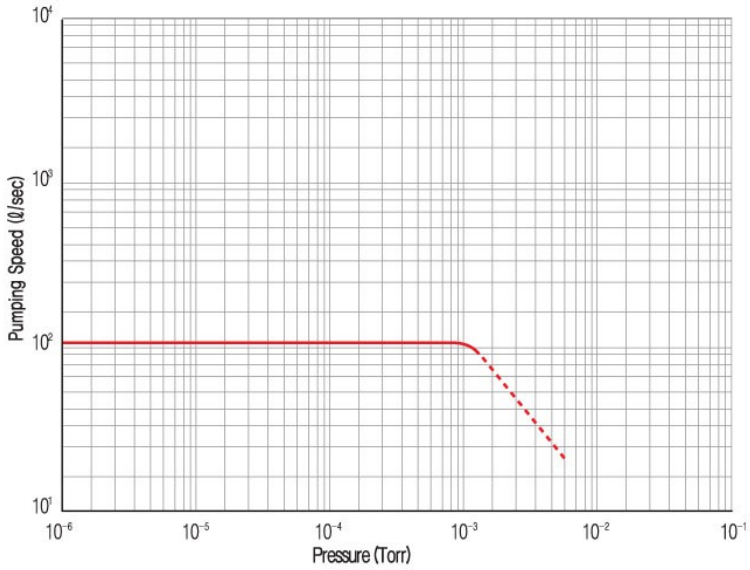
Please review dimensional drawings and pumping speed curves for all VPADIF Diffusion pumps in the following pages





Dimensions and Pumping Speed Curve for VPADIF- 3A

All dimensions are in mm. Dimensions are subjected to change without notice to improve product quality.

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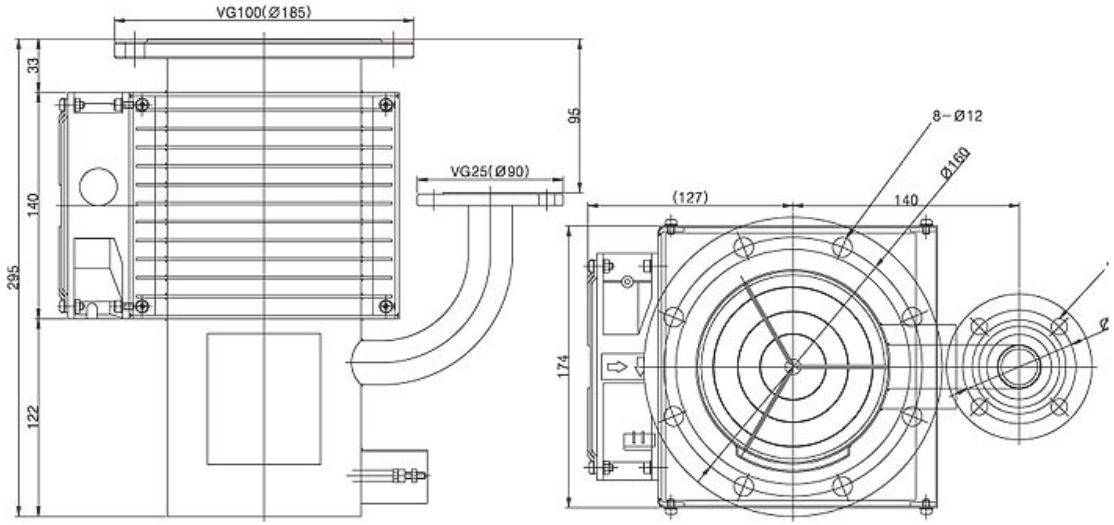

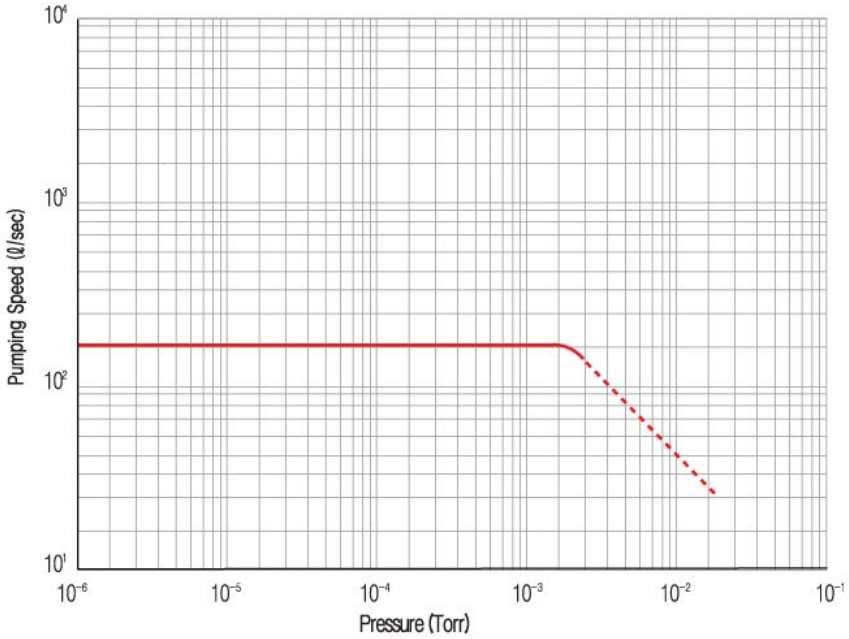

Dimensions and Pumping Speed Curve for VPADIF- 4A

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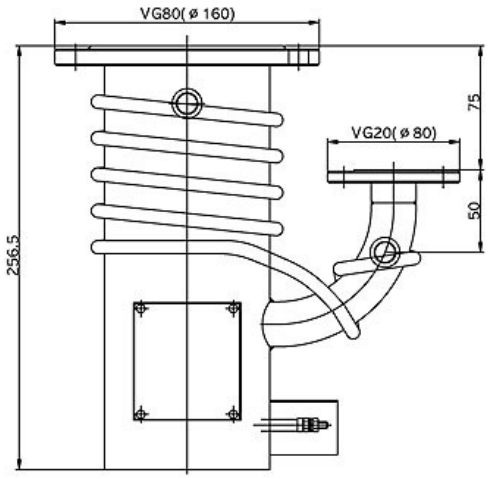

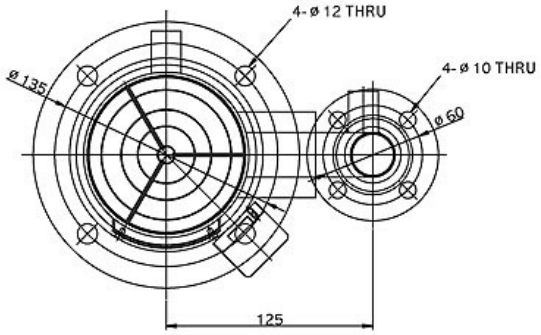

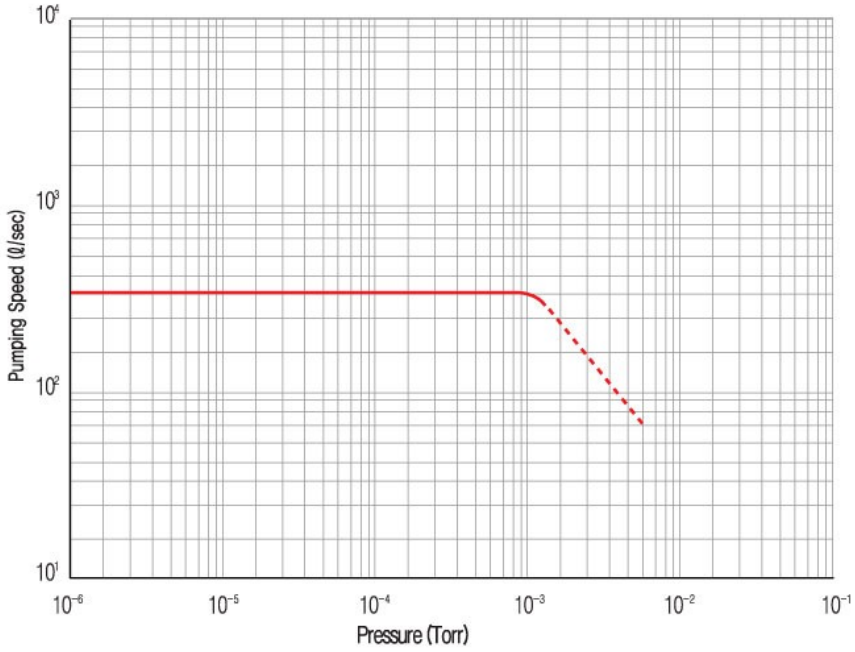

Dimensions and Pumping Speed Curve for VPADIF- 3

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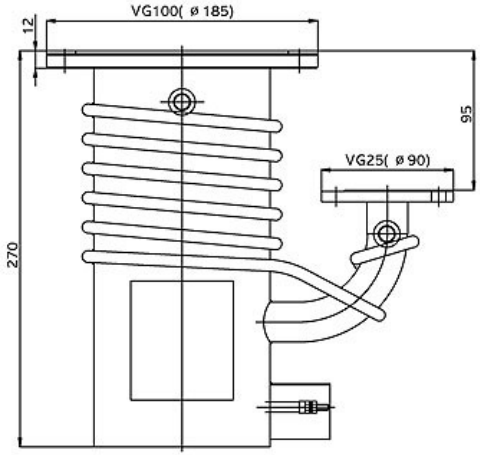

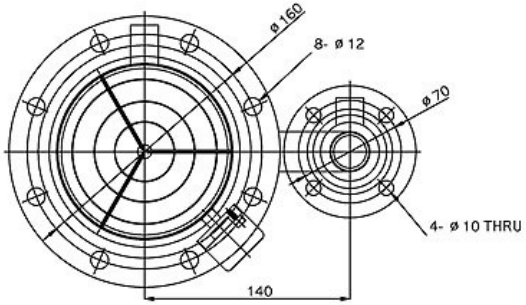

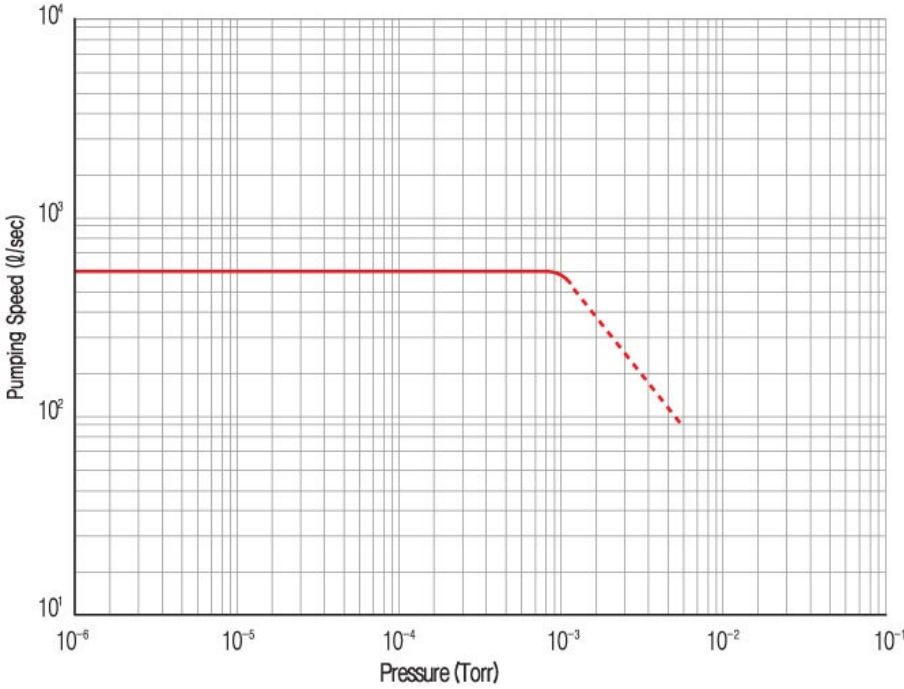

Dimensions and Pumping Speed Curve for VPADIF- 4

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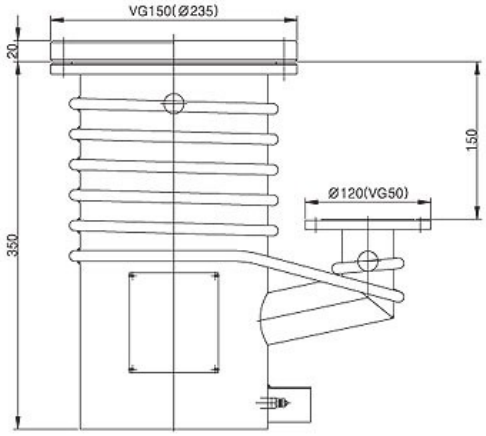

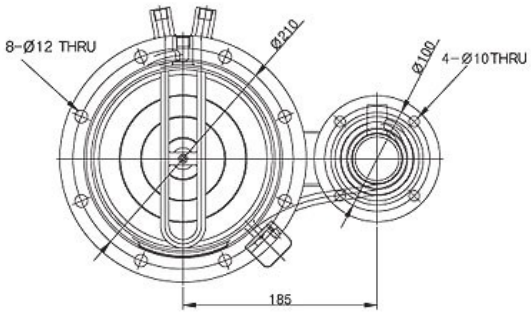

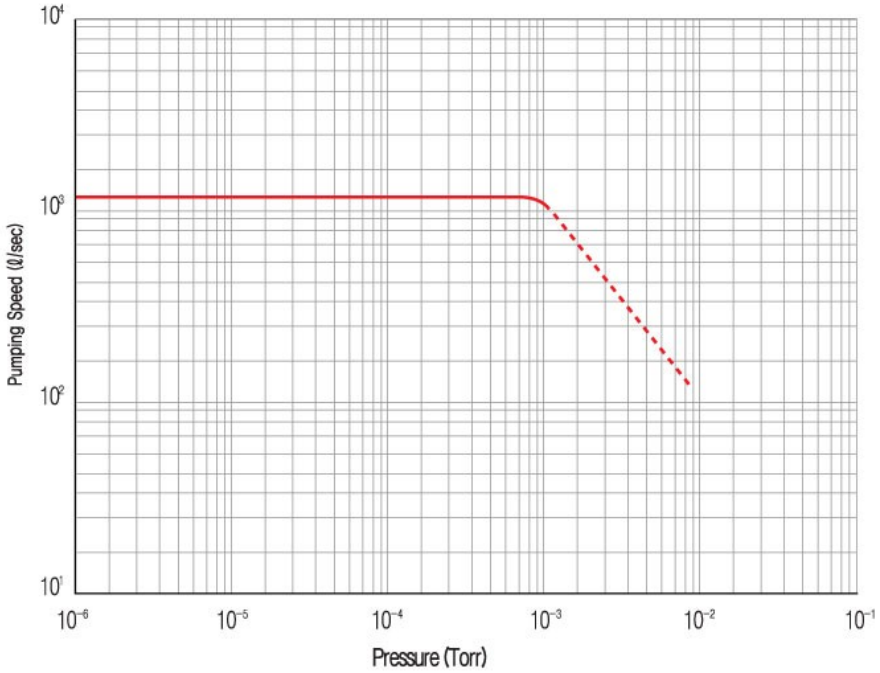

Dimensions and Pumping Speed Curve for VPADIF- 6

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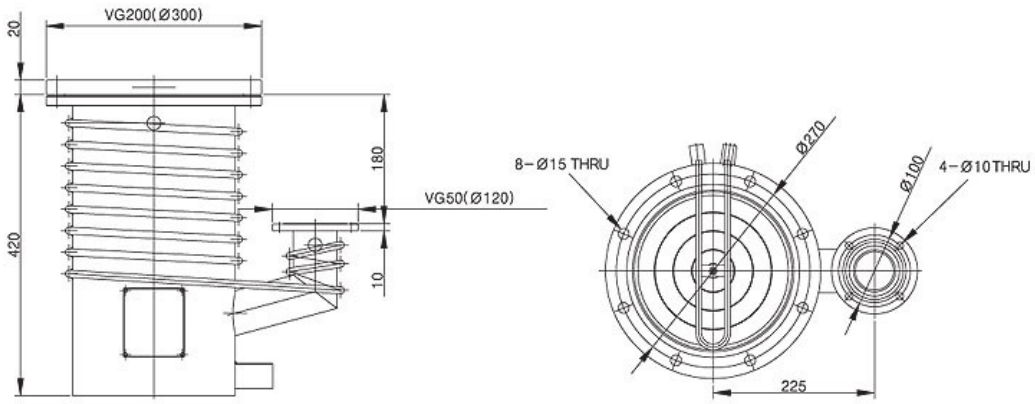

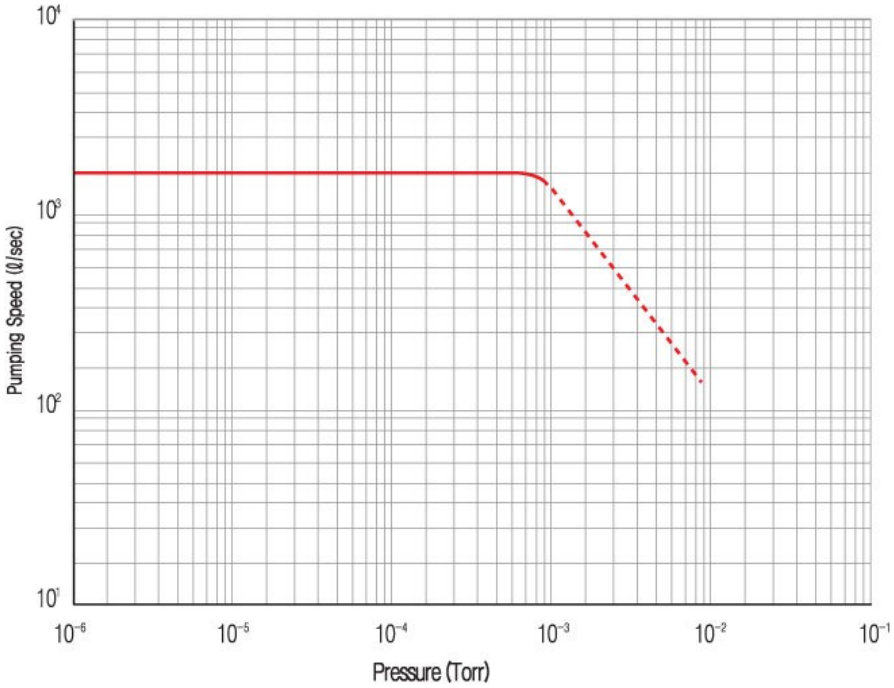

Dimensions and Pumping Speed Curve for VPADIF- 8

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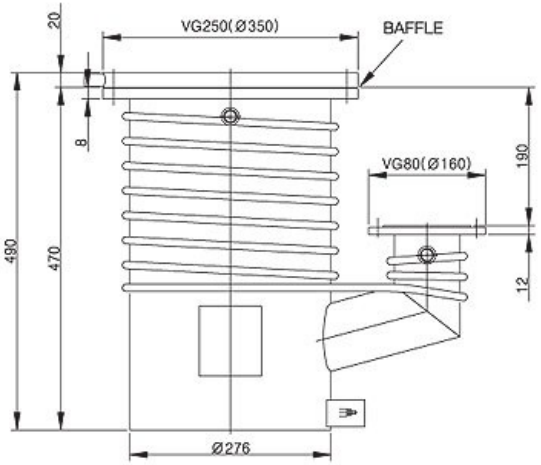

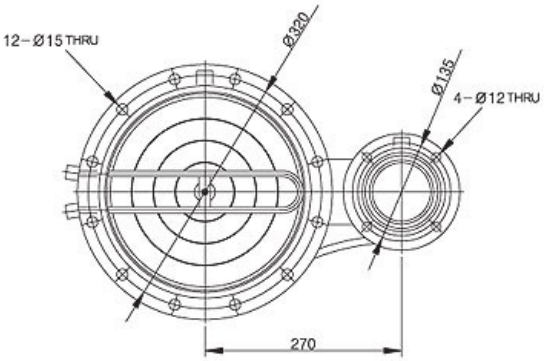

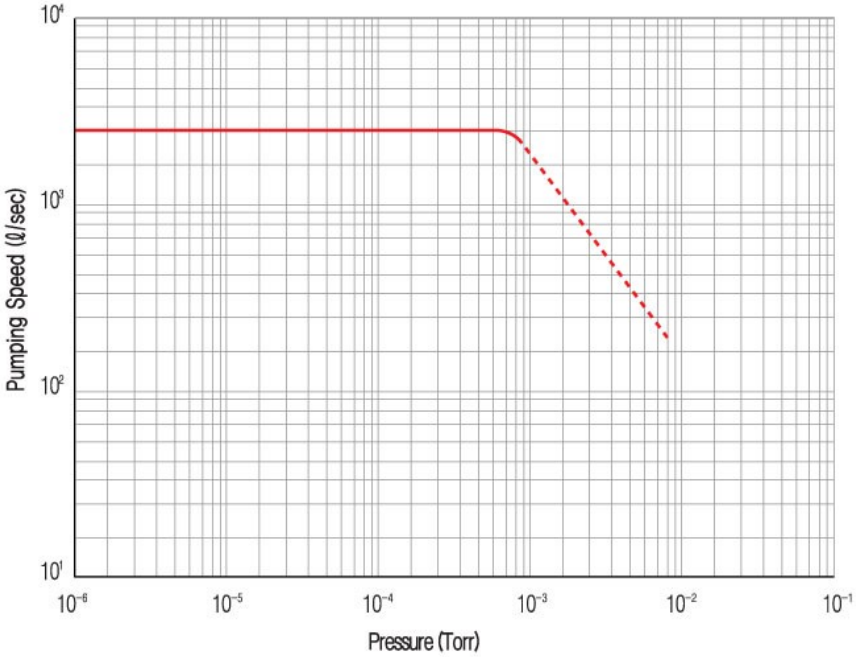

Dimensions and Pumping Speed Curves for VPADIF- 10

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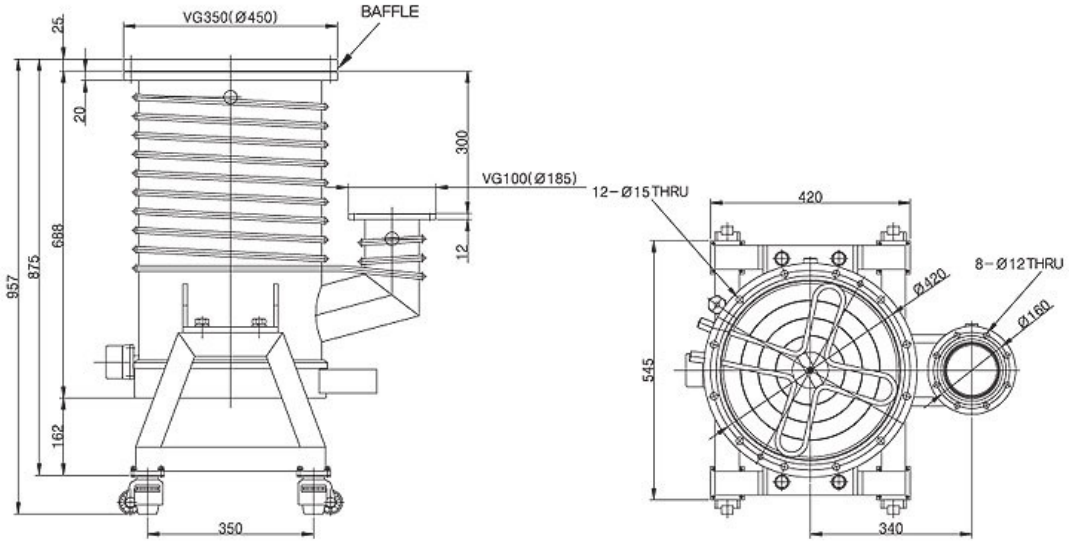

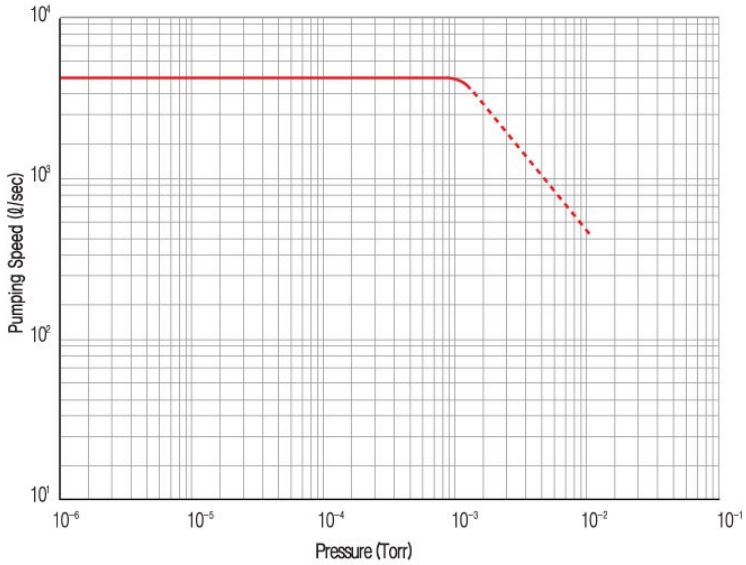

Dimensions and Pumping Speed Curves for VPADIF- 14

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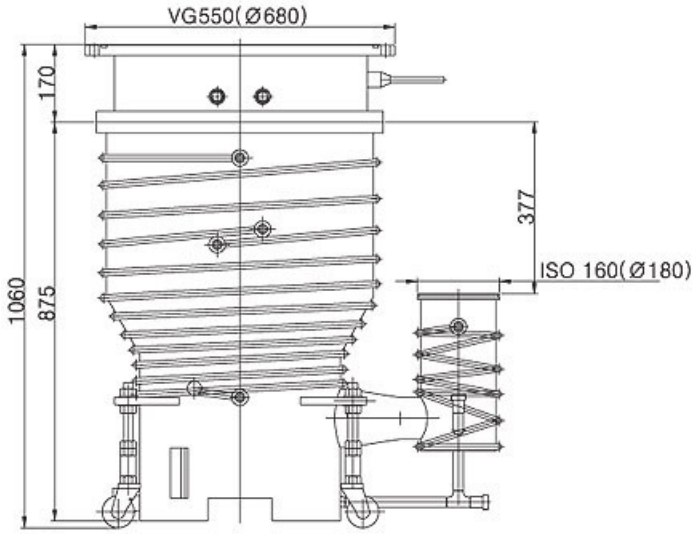

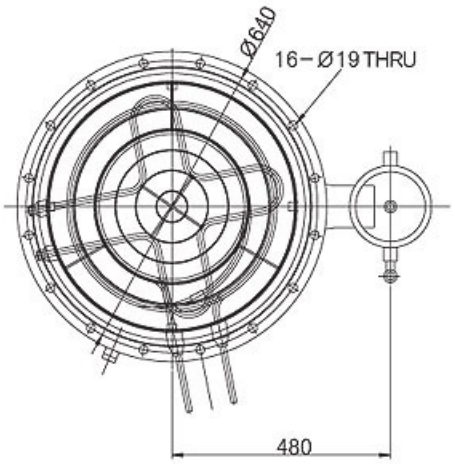

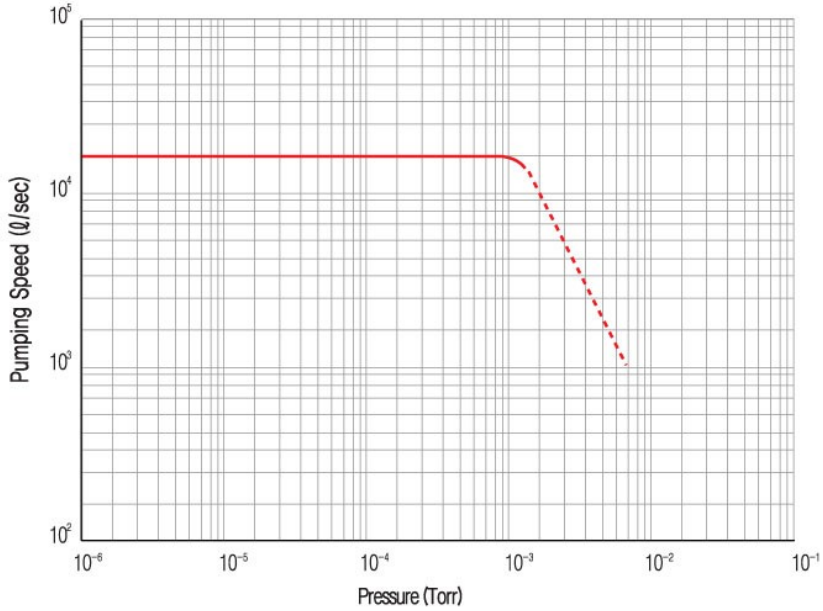

Dimensions and Pumping Speed Curves for VPADIF - 22

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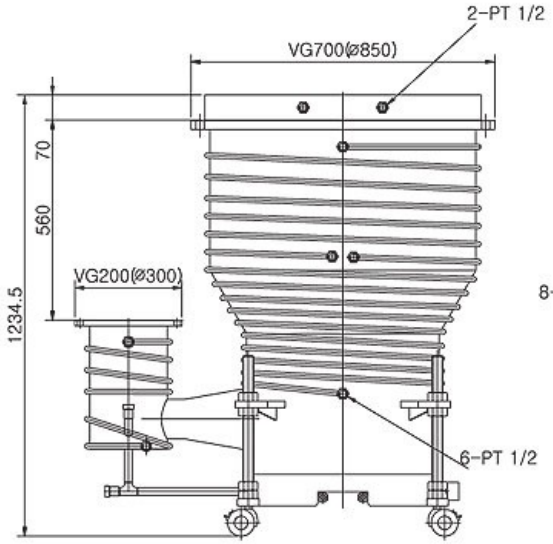

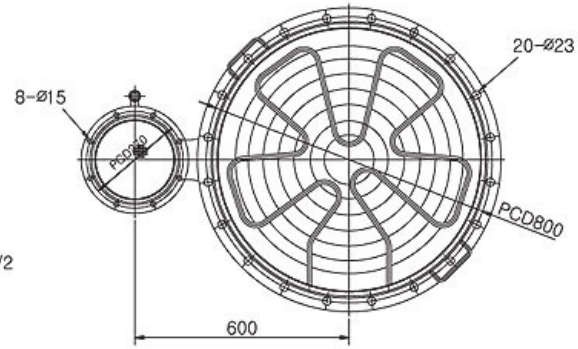

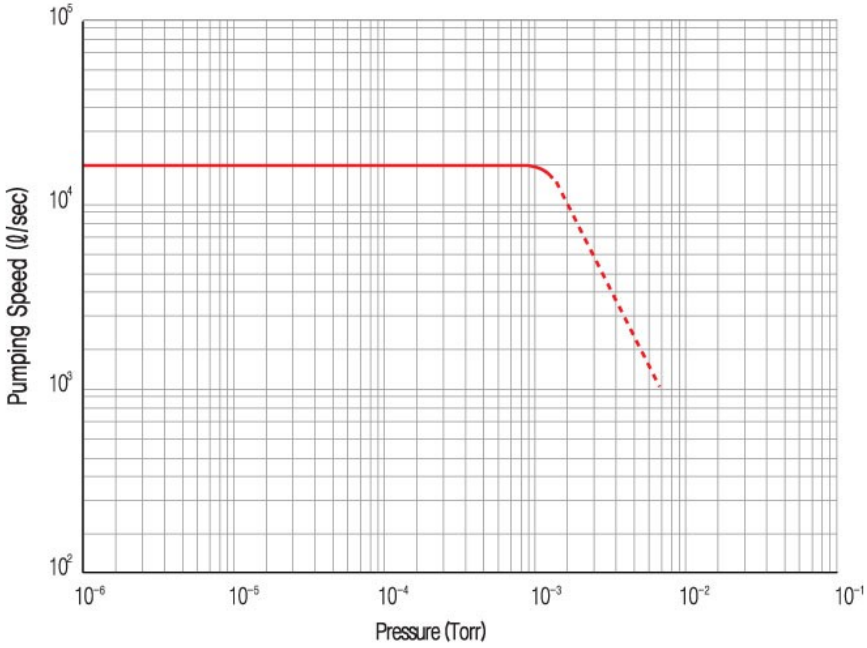

Dimensions and Pumping Speed Curves for VPADIF- 28

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