

## Nafion Systems Product Selection Guide - Wall Mount Systems

### Moisture Content

70%	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24
50%	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24
40%	MG-1228 - PD200T-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24
30%	MG-1228 - PD200T-24	MG-1228 - PD200T-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24
25%	Indi-GASS - PD200T-12	MG-1228 - PD200T-24	MG-1228 - PD200T-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24
20%	Indi-GASS - PD200T-12	Indi-GASS - PD200T-12	MG-1228 - PD200T-24	MG-1228 - PD200T-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24
15%	Indi-GASS - PD100T-12	Indi-GASS - PD200T-12	Indi-GASS - PD200T-12	MG-1228 - PD200T-24	MG-1228 - PD200T-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24
10%	Indi-GASS - PD100T-12	Indi-GASS - PD100T-12	Indi-GASS - PD200T-12	Indi-GASS - PD200T-12	MG-1228 - PD200T-24	MG-1228 - PD200T-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24
3%	AG193U - MD- 110-48	AG193U - MD- 110-72	AG193U - MD- 110-72	AG-1220 - PD100T-12	AG-1220 - PD200T-24	AG-1220 - PD200T-24	AG-1220 - PD200T-24	AG-1220 - PD200T-24	AG-1220 - PD200T-24	AG-1220 - PD200T-24
<b>Flow LPM</b>	1	2	3	4	5	6	7	8	9	10

### Notes

Water must remain in vapor phase to be removed by Nafion; therefore, sample lines entering the system must be heated well above the dewpoint.

If NH<sub>3</sub> is present in the gas stream, an ammonia scrubber (AS) is required and the MG-1228 or GS-2040 should be used (the IndiGASS is too small for AS).

If measuring HCl or Hf, additional drying power is required to remove water very quickly and avoid acid gas dissolving.

The GS-2040 can be designed with up to two 24" driers each with 200 tubes.

The AG products are unheated and designed for ambient conditions.

XP certification can be achieved via Z-purge or X-purge of the enclosure. AG products can be intrinsically safe if powered by motive air.

## Nafion Systems Product Selection Guide - Probe Mount Systems

### Moisture Content

70%	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24
50%	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24
40%	MG-1228 - PD200T-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24
30%	MG-1228 - PD200T-24	MG-1228 - PD200T-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24
25%	MG-1228 - PD100T-24	MG-1228 - PD200T-24	MG-1228 - PD200T-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24
20%	MG-1228 - PD100T-24	MG-1228 - PD100T-24	MG-1228 - PD200T-24	MG-1228 - PD200T-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24
15%	MG-1228 - PD100T-24	MG-1228 - PD100T-24	MG-1228 - PD100T-24	MG-1228 - PD200T-24	MG-1228 - PD200T-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24
10%	MG-1228 - PD50T-24	MG-1228 - PD100T-24	MG-1228 - PD100T-24	MG-1228 - PD100T-24	MG-1228 - PD200T-24	MG-1228 - PD200T-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24	GS-2040 - 2xPD200-24
up to 3%	MG-1228 - PD50T-24	MG-1228 - PD50T-24	MG-1228 - PD100T-24	MG-1228 - PD100T-24	MG-1228 - PD100T-24	MG-1228 - PD200T-24	MG-1228 - PD200T-24	MG-1228 - PD200T-24	MG-1228 - PD200T-24	MG-1228 - PD200T-24
<b>Flow LPM</b>	1	2	3	4	5	6	7	8	9	10

### Notes

If heated blowback is required, the GS-2040 should be used. The probe mounted MG-1228 offers blowback only through supplied plant air.

If NH<sub>3</sub> is present in the gas stream, an ammonia scrubber (AS) is required.

If measuring HCl or Hf, additional drying power is required to remove water very quickly and avoid acid gas dissolving.

The GS-2040 can be designed with up to two 24" dryers each with 200 tubes and the MG-1228 with only one 24" dryer.

XP certification can be achieved via Z-purge or X-purge of the enclosure.