

Pipeline Series Natural Gas Dryers



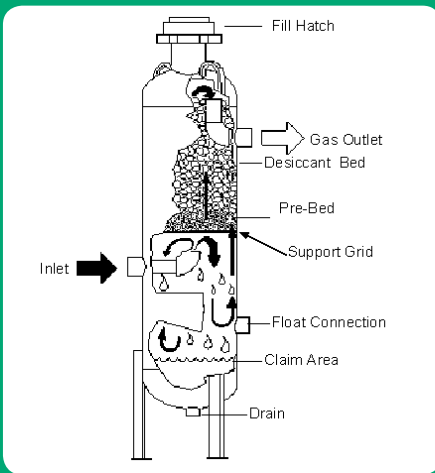
- **Stop Freeze-Ups and Hydrate Formation**
- **Dry Fuel Gas at Remote Locations**
- **Protect Meters, Regulators and Instruments**
- **No VOC or BTEX Emissions**
- **Meet Pipeline Moisture Specifications**
- **Replace TEG Systems**
- **Simple to operate, no electricity or moving parts required**

As the industry leader in deliquescent desiccant technology, Van Gas has designed Pipeline Dryers (PLD) to be an economical and effective solution for natural gas dehydration.

These standard single-tower Pipeline Dryers are available with maximum working pressures of **280 PSIG to 1450 PSIG**, with flow capacities up to **14.1 MMSCFD**. Gas dryers rated for higher pressures and flows are available on an engineered to order basis. Pipeline Series dryers provide a low cost solution for moisture removal from natural gas for everyone from the home well operator to large producers of natural gas.

If you're battling condensation in your gas lines, call Van Gas today.
1-800-840-9906
vangastech.com

2950 Mechanic Street
Lake City, PA 16423 USA
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Order Fax: 814-774-3482
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How the PLD Dryer with Desiccant works...

Wet gas contacts the prebed, which is coated with desiccant solution. This area removes mist or droplets too small for mechanical separation. In addition, the hygroscopic desiccant solution on the extended surface of the prebed starts the drying process. Further moisture removal occurs in the desiccant bed where the remaining water vapor is drawn from the gas. The desiccant tablets at the top of the bed serve as a backup supply. At the outlet, the gas is free of liquid water. Moisture vapor is substantially reduced and hydrate formation is eliminated.

PIPELINE DRYER CAPACITIES - MSCFD

Model	Desiccant required (lbs.)									Prime	Peak	Max	Prebed
	10 PSIG	25 PSIG	50 PSIG	100 PSIG	200 PSIG	280 PSIG	500 PSIG	720 PSIG	1450 PSIG				
PLD 8-2.8	16	25	41	72	140	195	---	---	---	30	20	25	15
PLD 8-7.2	15	24	39	70	130	180	315	450	---	65	50	55	
PLD 8-14.5	14	22	37	65	120	170	300	420	830	60	45	50	
PLD 12-2.8	30	50	80	140	265	360	---	---	---	115	90	95	35
PLD 12-7.2	28	45	75	130	245	335	585	835	---	195	150	165	
PLD 12-14.5	26	42	70	120	225	310	540	770	1535	180	135	150	
PLD 16-2.8	50	80	125	225	415	570	---	---	---	190	145	160	55
PLD 16-7.2	45	75	120	215	400	550	975	1400	---	310	240	260	
PLD 16-14.5	40	70	115	200	375	515	900	1300	2570	280	215	235	
PLD 20-2.8	75	120	195	340	640	875	---	---	---	290	220	245	90
PLD 20-7.2	70	115	190	330	620	850	1485	2120	---	490	375	410	
PLD 20-14.5	65	110	175	310	580	800	1400	2000	3980	465	355	380	
PLD 24-2.8	110	175	280	500	935	1280	---	---	---	425	325	355	130
PLD 24-7.2	105	165	270	480	900	1230	2150	3075	---	710	540	590	
PLD 24-14.5	100	155	255	450	845	1160	2020	2890	5765	670	510	560	
PLD 30-2.8	171	275	447	793	1485	2038	---	---	---	680	520	565	215
PLD 30-7.2	161	258	421	747	1398	1918	3350	4783	---	1120	855	930	200
PLD 30-14.5	147	236	385	683	1278	1754	3063	4372	8715	1040	795	870	185
PLD 36-2.8	260	415	675	1190	2230	3075	---	---	---	1020	780	850	315
PLD 36-7.2	260	415	675	1190	2230	3075	5350	7625	---	1780	1360	1485	
PLD 36-14.5	260	415	675	1190	2230	3075	5340	7625	14200	1780	1360	1485	

Sizing instructions:

On the Pipeline Dryer Capacities chart, locate the column for the **minimum operating pressure** and read down to the capacity that meets or exceeds your requirement; then find the corresponding dryer model group in the left column. From that model group, choose the specific model that meets or exceeds your **maximum anticipated operating pressure** based on the following model suffixes.

Maximum Working Pressure:

280 PSIG = Model Suffix 2.8

720 PSIG = Model Suffix 7.2

1450 PSIG = Model Suffix 14.5

Example: For an installation that will operate at 500PSIG and handle a flow of 550 MSCFD, choose model PLD 12-7.2.

- (1) Only one type of desiccant may be used in a dryer.
- (2) The same type of prebed is used with all desiccants.



a full range of DESICCANTS

Turn to Van Gas Technologies for the right desiccant to meet your needs.

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