

## Pipeline Series Natural Gas Dryers



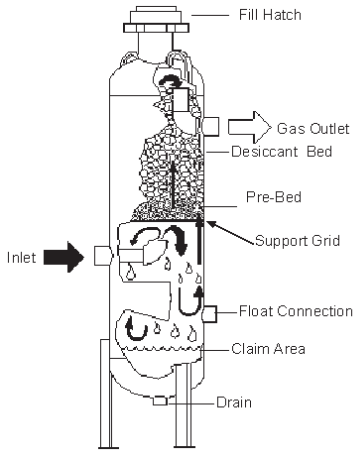
- Stop Freeze-Ups and Hydrate Formation
- Dry Fuel Gas at Remote Locations
- Protect Meters, Regulators and Instruments
- No VOC or BTEX Emissions
- Meet Pipeline Moisture Specifications
- Replace TEG Systems
- Simple to operate, no electricity or moving parts required

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](http://vangastech.com)

2950 Mechanic Street  
Lake City, PA 16423 USA  
Corp. Fax: 814-774-0778  
Order Fax: 814-774-3482  
[info@vangastech.com](mailto:info@vangastech.com)



## 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	26	42	75	141	193	---	---	---	25	19	21	15	
PLD 8-7.2	15	24	40	70	132	181	315	450	---	63	48	52		
PLD 8-14.5	14	22	36	64	120	165	288	411	819	57	44	48		
PLD 12-2.8	30	49	79	141	263	362	---	---	---	115	88	96	35	
PLD 12-7.2	29	46	75	132	248	340	594	848	---	193	148	161		
PLD 12-14.5	26	42	70	120	225	310	540	770	1535	178	136	148		
PLD 16-2.8	50	80	125	225	415	570	---	---	---	187	143	156	55	
PLD 16-7.2	45	75	120	215	400	550	975	1400	---	309	236	258		
PLD 16-14.5	40	70	115	200	375	515	900	1300	2570	282	215	235		
PLD 20-2.8	75	120	195	340	640	875	---	---	---	291	222	243	90	
PLD 20-7.2	70	115	190	330	620	850	1485	2120	---	496	379	413		
PLD 20-14.5	65	110	175	310	580	800	1400	2000	3980	464	355	387		
PLD 24-2.8	107	172	280	497	930	1277	---	---	---	425	324	354	130	
PLD 24-7.2	101	163	265	471	881	1209	2112	3014	---	704	537	586		
PLD 24-14.5	96	155	252	447	838	1150	2008	2866	5714	669	511	557		
PLD 30-2.8	171	275	447	793	1485	2038	---	---	---	678	518	565	212	
PLD 30-7.2	161	258	421	747	1398	1918	3350	4783	---	1116	853	930	199	
PLD 30-14.5	150	241	392	695	1301	1786	3119	4453	8877	1039	794	866	186	
PLD 36-2.8	257	412	672	1191	2230	3061	---	---	---	1018	778	848	318	
PLD 36-7.2	257	412	672	1191	2230	3061	5346	7631	---	1781	1361	1484		
PLD 36-14.5	257	412	672	1191	2230	3061	5346	7631	15213	1781	1361	1484		

### 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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