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LPGX Filter And Gas Eliminator



LPG-Filter (Also called Strainer) often installs before the flowmeter to filter the solid impurity contained in the flow...

Description

- LPGK Serials Filter
- LPX Serials Gas Eliminator
- LPGX Serials Filter And Gas Eliminator

Feature And Usage

LPG-Filter (Also called Strainer) often installs before the flowmeter to filter the solid impurity contained in the flow. After filtering, it can avoid the positive displace flowmeter blocked and prolong the lifetime of the meter.



Picture 1

Main Technical Datum

Table 1

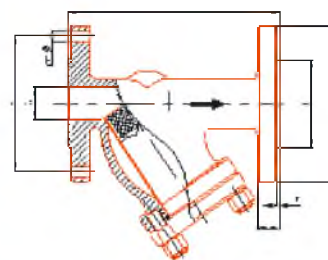
Nom inalD iam eter(m m)		15	25	40	50	80	100	150	200	250	300
Nom inalPressure(M Pa)		1.6, 2.5, 4.0, 6.4									
M esh Num ber	LPG Y	40					20				
	LPG TK (T)	20 (40)					10				
F luid T em perature		-20℃ ～+80℃, -20℃ ～+120℃, -20℃ ～+150℃, 0℃ ～+250℃									

Note : The mesh number can be custom-made according to the customer requirement if that need not the standard.

Y-Shape Nut Quick Discharge Type Outline Dimension (See Pic.2)

Table 2

Nom inalPressure (M Pa)	Nom inal D iam eter(m m)	Flange D istance L (m m)	M esh Number	W eight (kg)
15	1.6,2.5,4.0	130	40	6
20	1.6,2.5,4.0	150	40	8
25	1.6,2.5,4.0	160	40	
32	1.6,2.5,4.0	180	40	
40	1.6,2.5,4.0	200	40	12

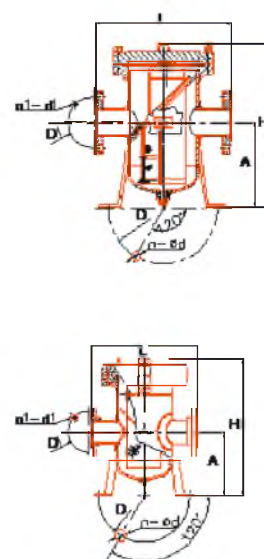


Picture 2

Straight Tube Clamp Quick Discharge Type Outline Dimension (See Pic.3)

Table 3

Nom inal D iam eter (m m)	Nom inal Pressure (M Pa)	Flange D istance L (m m)	Instal Height A (m m)	M esh Number	Ground Fasten Dimension(m m)			Total Height H (m m)	W eight (kg)
					D	Bolt			
						n	φ d		
50	1.6	320	237	8	245	3	16	445	30-34
	2.5			20				455	
	4.0			40				465	
	6.4								
80	1.6	420	260	8	310	3	20	485	60-78
	2.5			20				580	
	4.0			40				580	
	6.4								
100	1.6	520	315	8	365	3	20	620	90-115
	2.5			20				668	
	4.0			40					
	6.4								
150	1.6	720	500	8	520	3	23	765	150-180
	2.5			20				940	
	4.0			40					
	6.4								
200	1.6	800	538	8	634	3	23	955	350-400
	2.5			20				1070	
	4.0			40					
	6.4								
250	1.6	1000	580	8	658	3	23	1000	900-1000
	2.5			20				1134	
	4.0			40					
	6.4								
300	1.6	1070	1050	8	670	3	33	1530	1800-2000
	2.5			20				1800	
	4.0			40					
	6.4								



Picture 3

Note: For the diameter less than DN50, the filter is Y-shape Nut quick discharge type. For the diameter equal and exceed than DN50, the filter is straight tube clamp quick discharge type.

Model Selection

LPG ☐ ☐ ☐ ☐

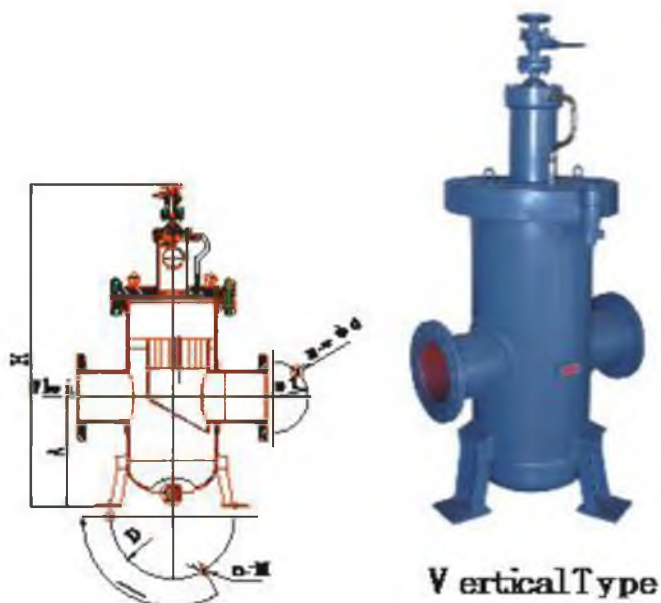
0 **1** **2** **3**

1. Structure: K: Straighten Tube Clamp Type
- T: Common straight Tube type
- Y: Shape nut quick discharge type
2. DN: 015-15;020-20;032-32;040-40...300-300
3. Fluid temp.
1. (0-80)℃
2. (0-120)℃
3. (0-150)℃
4. (0-250)℃

Feature And Usage

When there is much gas in the measured liquid, the flowmeter may mistake for the gas of liquid will be measured as well. So it can reduce accuracy.

Install this kind of Gas Eliminator before the flowmeter. It can eliminate and discharge the gas in the measured liquid. In this way, the flowmeter can measure the liquid more accurately.



Picture 4

Main Technical Datum

Nominal Pressure : 1.6, 2.5, 4.0MPa

Temperature Range : 0°C~+150°C

Nominal Diameter : DN40~DN800

Pressure Loss : $\leq 0.03\text{MPa}$ Medium Viscosity:(0.4~3000)mPa.s

Feature And Usage

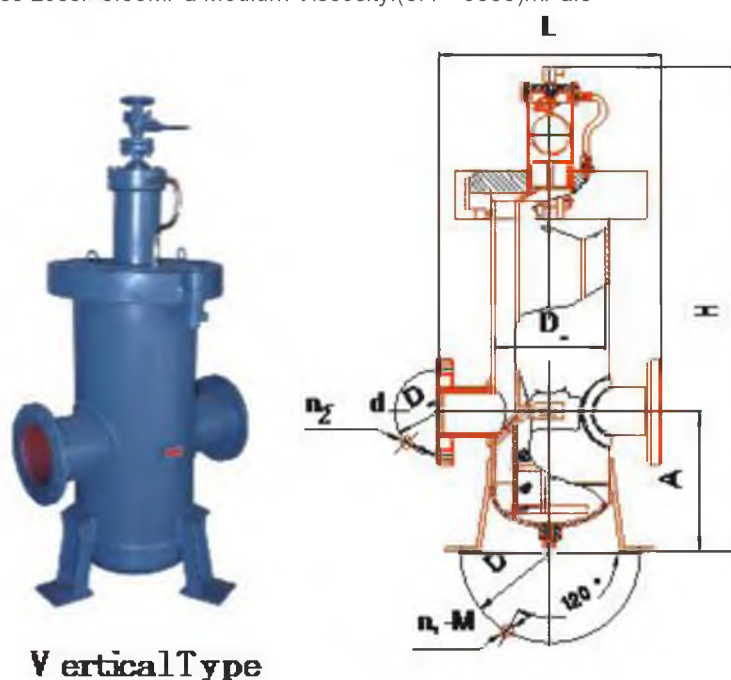
LPGX Series Filter And Gas Eliminator is integrated the function of LPG Filter and LPX Gas Eliminator into one body. It not only can filter the solid impurity but also can expel gas in the liquid at one time. It can be match with many kinds of flowmeter to improve the measuring accuracy.

Main Technical Datum

Nominal Pressure: 1.6, 2.5, 4.0, 6.4MPa

Fluid Temperature: 0°C~+120°C

Press Loss: $\leq 0.03\text{MPa}$ Medium Viscosity:(0.4~3000)mPa.s



Outline Dimension Of LPG X / LPG (See Table 4)

Table 4

DN (mm)	PN (MPa)	Installation Dimension			Flange Distance L	Centre Height A	Height H	Body D 2	Weight kg
		Bolt Dia	Bolt						
			D	n					
40	1.6、2.5	310	3	M 16	320	237	895	159	40
	4.0	310	3	M 16					45
	6.4	310	3	M 16					55
50	1.6、2.5	310	3	M 16	320	237	895	159	40
	4.0	310	3	M 16					45
	6.4	310	3	M 16					55
80	1.6、2.5	335	3	M 16	420	260	1257	219	65
	4.0	335	3	M 16					70
	6.4	335	3	M 16					75
100	1.6	335	3	M 20	520	315	1405	273	120
	2.5、4.0	335	3	M 20					125
	6.4	335	3	M 20					140
150	1.6	520	3	M 20	720	500	1700	325	180
	2.5、4.0	520	3	M 20					188
	6.4	520	3	M 20					205
200	1.6	634	3	M 20	800	538	1710	426	480
	2.5	634	3	M 20					490
	4.0	634	3	M 20					505
	6.4	634	3	M 20					530
250	1.6	658	3	M 20	1000	580	1720	478	1300
	2.5	658	3	M 20					1330
	4.0	658	3	M 20					1375
300	1.6	670	3	M 30	1100	1050	2300	524	1750
	2.5	670	3	M 30					1800
	4.0	670	3	M 30					1880
350	1.6	750	3	M 30	1300	1070	2800	628	2000
	2.5	750	3	M 30					2150
	4.0	750	3	M 30					2450
400	1.6	800	3	M 30	1600	1100	3000	732	2480
	2.5	800	3	M 30					2580
500	1.6	950	3	M 30	2000	1150	3300	932	2600
	2.5	950	3	M 30					2720
600	1.6	1100	3	M 30	2200	1150	3300	1200	2800
	2.5	1100	3	M 30					2950
700	1.6	1350	3	M 30	2500	1150	3300		3000
	2.5	1350	3	M 30					3200
800	1.6	1500	4	M 36	2700	1250	3300		3300
	2.5	1500	4	M 36					3500

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