

百川盈孚
BAIINFO

2023



Rare Gas Market Weekly

Apr. 13, 2023 / Issue 23-14

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Rare Gas Market Review

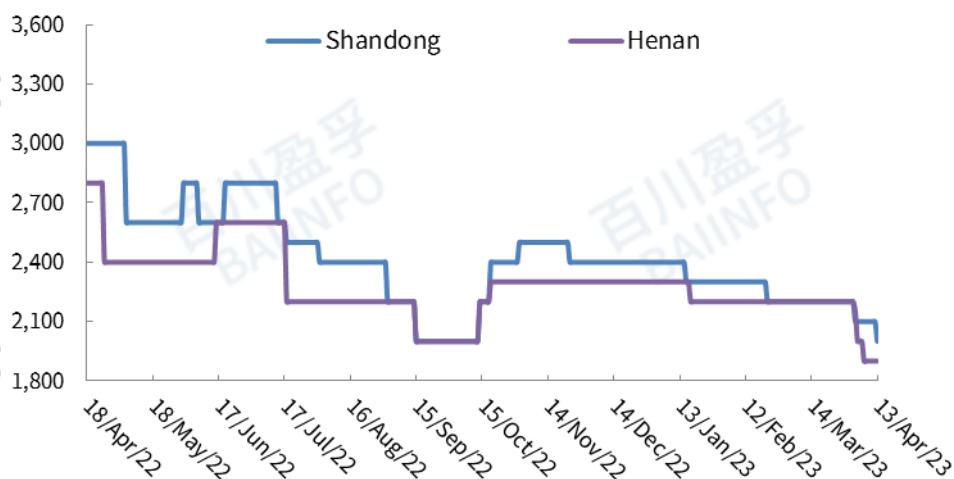
Helium Market

This week, helium market fluctuated down with price moving towards low-end level. Deals at a high price were rare. Mainstream negotiation price continuously went down. As of Apr. 13, mainstream trading price of high-purity helium was at RMB 1,800-2,000/bottle (40L). As for supply, helium supply continued growing. On the one hand, overseas helium producers successively increased production, leading to rising international supply. On the other hand, since the import and export situation gradually improved, helium arrivals ascended. Besides, domestic helium producers held healthy production, resulting in increasing output. As for demand, downstream demand was ordinary from electronics and healthcare markets. Thus, price of helium in bottle consecutively slid down.

Helium Price Change (Unit: RMB/bottle)

	Apr. 13	Week avg.	Apr. 6	Last Week avg.	WoW	MoM	QoQ	YTD
Shandong	2,000	2,086	2,100	2,143	-4.76%	-9.09%	-12.50%	-16.67%
Henan	1,900	1,900	2,000	2,107	-5.00%	-13.64%	-13.04%	-17.39%

Helium Market Price Trend (Unit: RMB/bottle)



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Krypton & Xenon Markets

This week, xenon and krypton markets remained weak with scarce fresh orders. As of Apr. 13, mainstream trading price of high-purity xenon was at RMB 130,000-140,000/m³, and that of high-purity krypton was at RMB 1,600-2,000/m³. Major producers mostly kept good production, leading to ample supply of xenon and krypton. However, downstream demand was sluggish, especially from semiconductor, scientific research and aerospace industries. Thus, xenon and krypton markets slid down under pressure.

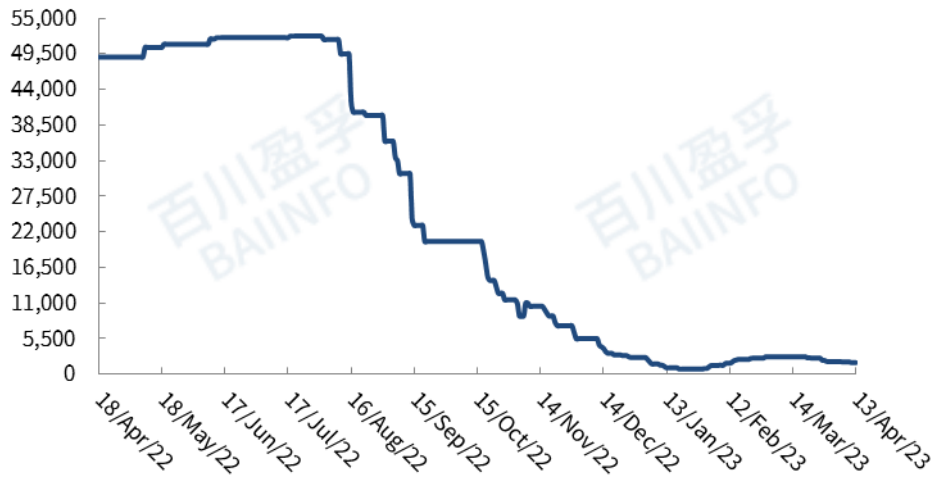
Krypton Price Change (Unit: RMB/m³)

	Apr. 13	Week avg.	Apr. 6	Last Week avg.	WoW	MoM	QoQ	YTD
Krypton	1,800	1,875	1,950	1,950	-16.26%	-33.33%	80.00%	-30.77%

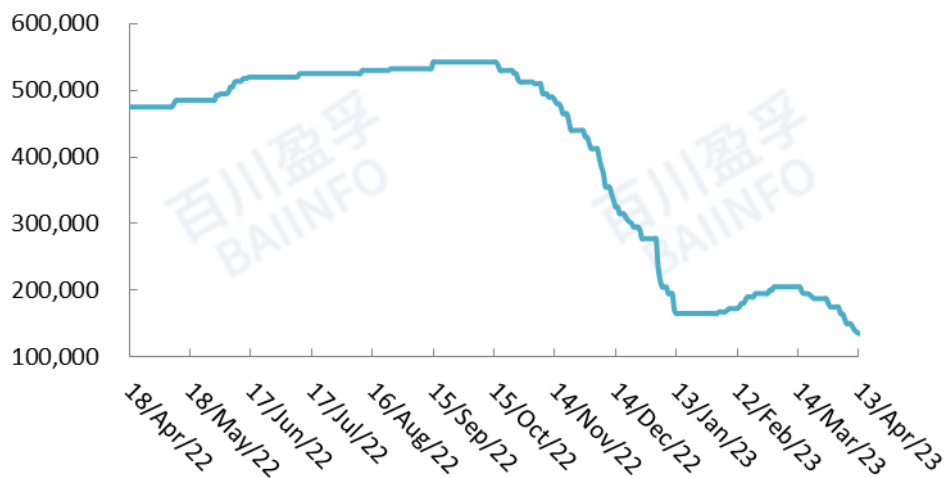
Xenon Price Change (Unit: RMB/m³)

	Apr. 13	Week avg.	Apr. 6	Last Week avg.	WoW	MoM	QoQ	YTD
Xenon	157,500	165,625	175,000	179,285	-15.16%	-23.17%	-23.17%	-43.24%

99.99% Krypton Market Price Trend (Unit: RMB/m³)



99.99% Xenon Market Price Trend (Unit: RMB/m³)



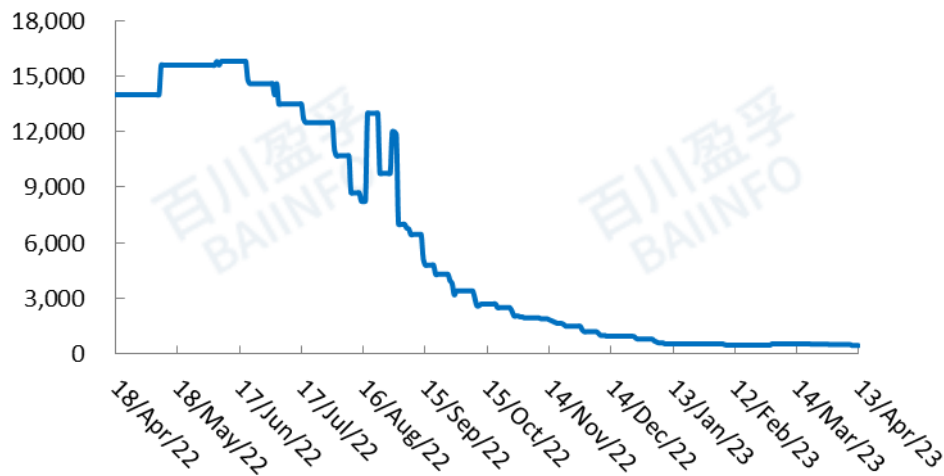
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Neon Market

This week, neon market hovered at low-end price level amid weak scenario. As of Apr. 13, mainstream trading price of high-purity neon was at RMB 400-500/m³. Major neon producers held good production, leading to acceptable supply. Downstream demand was ordinary from photoelectricity and semiconductor industries.

Neon Price Change (Unit: RMB/m³)

	Apr. 13	Week avg.	Apr. 6	Last Week avg.	WoW	MoM	QoQ	YTD
Neon	157,500	165,625	175,000	179,285	-15.16%	-23.17%	-23.17%	-43.24%

99.99% Neon Market Price Trend (Unit: RMB/m³)

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Rare Gas Market Forecast

It is predicted that rare gas market will stay soft next week, with price of some gases moving downward.

Helium: Major helium producers hold good production, leading to ample supply. As the import and export situation slightly improves, combined with rising international supply, the import volume of helium increases. However, demand is sluggish from downstream and terminal markets. Deals are mostly on low-priced resources. Thus, helium market is anticipated to decline to RMB 1,700-1,900/bottle next week.

Krypton & Xenon: Supply of krypton and xenon is sufficient. Downstream demand turns weak from semiconductor and scientific research industries. Therefore, price of krypton and xenon is expected to drop to RMB 120,000-130,000/m³ and RMB 1,600-1,800/m³ next week respectively.

Neon: Without bullish effects, trading performance of neon market is lackluster. Hence, neon market is possible to remain at RMB 400-500/m³ next week.

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Import & Export Data

In Feb. 2023, the import volume of rare gas was 356.655 tonnes. China mainly imported resources from Qatar and the US.

In Feb. 2023, the export volume of rare gas was 37.319 tonnes. China mainly exported resources to South Korea and the US.

Rare Gas Import and Export Data in 2023

Month	Imp. Qty. (T)	Imp. Val. (USD)	Exp. Qty. (T)	Exp. Val. (USD)
Jan.	301	44,485,809	28	24,557,178
Feb.	357	65,170,310	37	33,219,831
Total	658	109,656,119	66	57,777,009

Rare Gas Import and Export by Countries/Regions in Jan. 2023

Countries/Regions	Imp. Qty. (T)	Imp. Val. (USD)	Exp. Qty. (T)	Exp. Val. (USD)
Indonesia	1.17	329,723	0	0
Philippines	0.375	117,600	0	0
Qatar	254.889	28,258,678	0	0
UAE	2.166	302,950	0	0
Vietnam	0.45	65,250	0	0
China	0.612	8,860,794	0	0
France	0.096	52,128	0	0
Hong Kong of China	0.375	51,206	0.352	472,055
Israel	0	0	0.016	213,507
Japan	0.003	2,420	0.336	125,305
Malaysia	0	0	0.232	117,163
Singapore	0	0	3.482	286,519
South Korea	2.282	306,681	10.03	17,267,731
Taiwan of China	0.001	1,629	0.488	804,095
Chad	0	0	0	1,250
Ghana	0	0	9	7,394
Britain	0	0	0.18	39,511
Russian Federation	4.5	1,396,763	0.055	478,112
Chile	0	0	0	52,475
Mexico	0	0	0.104	39,598
USA	34.166	4,739,987	3.099	4,539,594
Australia	0	0	0.671	112,869
Total	301	44,485,809	28	24,557,178

Rare Gas Import and Export by Countries/Regions in Feb. 2023

Countries/Regions	Imp. Qty. (T)	Imp. Val. (USD)	Exp. Qty. (T)	Exp. Val. (USD)
Qatar	311.939	40,675,457	0	0
UAE	4.016	743,760	0	0
China	1.004	11,576,073	0	0
France	0	8,187	0	0
Ukraine	0.009	161,208	0	0
Hong Kong of China	0.375	54,361	1.697	531,467
Indonesia	0	0	0.016	693
Japan	0.007	7,079	4.677	7,962,191
Macao of China	0	0	0.035	12,952
Philippines	0.437	66,060	0.207	34,549
Singapore	0	0	2.635	315,509
South Korea	0.154	497,293	14.594	16,274,369
Taiwan of China	0	672	0.497	1,021,096
Niger	0	0	0.439	23,290
Norway	0	0	0.096	52,866
Venezuela	0	0	0.038	12,889

USA	38.714	11,380,160	10.943	6,780,015
Australia	0	0	1.182	155,869
New Zealand	0	0	0.263	42,076
Total	357	65,170,310	37	33,219,831

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BAIINFO Rare Gas Weekly Report Is Issued by the Research Center BAI CHUAN INFO CO., LTD.

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