

Item	P&ID No.	Line Number	Tag No.	Valve Type	Body/Firm material	Connection		Insul	Design Condition		Operating Condition		Insulation	DTP	Size	Std Size	Access	Risk	Operation	U/P	T/P	Material	Bore	Remark	
						DN	IN		Press	Temp	Use Q/Press	Temp													
1	8027-HSE-VD-PR-PID-0002 SH 2/7	6"PR-RU0001A01-ML3R1-C	RB-RU0001A01	BALL VALVE	LTC/SS316	20mm	300#	Flanged	Refrigerant	FV/22	-45 ~ 120	3.7	-0.17	Y	1	1	ML3R1	With Extended stem 100mm							
2	8027-HSE-VD-PR-PID-0002 SH 4/7	1 1/2"PR-RU0001A13-ML3R1-N	FB-RU0001A07	BALL VALVE	LTC/SS316	40mm	300#	Flanged	Refrigerant	FV/22	-45 ~ 120	18.7	56.32	N	1	1	ML3R1		Trim Material LTCS	Lever	\$248	\$248	LF2/SS304/SS304/RP/TFE	RB	Floating Ball
3	8027-HSE-VD-PR-PID-0002 SH 4/7	1 1/2"PR-RU0001A11-ML3R1-N	FB-RU0001A06	BALL VALVE	LTC/SS	50mm	300#	Flanged	Refrigerant	FV/22	-45 ~ 120	18.77	73.39	N	1	1	ML3R1		To be quoted as an option	Lever	\$298	\$298	LF2/SS304/SS304/RP/TFE		Floating Ball
4	8027-HSE-VD-PR-PID-0002 SH 5/7	2"PR-RU0001A10-ML3R1-P	FB-RU0001A03	BALL VALVE	LTC/SS	50mm	300#	Flanged	Refrigerant	FV/22	-45 ~ 120	18.8	73.5	Y	1	1	ML3R1	With Extended stem 100mm							
5	8027-HSE-VD-PR-PID-0002 SH 5/7	1"PR-RU0001A15-ML3R1-N	RB-RU0001A07	BALL VALVE	C/SS	15mm	300#	Flanged	Refrigerant	FV/22	-120	18.8	73.5	N	1	1	ML3R1		Size 8 Hold	Lever	\$117	\$117	AL05/SS304/SS304/RP/TFE	RB	Floating Ball
6	8027-HSE-VD-PR-PID-0002 SH 5/7	1"PR-RU0001A16-ML3R1-N	GLO-RU0001A02	GLOBE VALVE	LTC/SS	25mm	300#	Flanged	Refrigerant	FV/22	-45 ~ 120	18.8	73.5	N	1	1	ML3R1			Handwheel	\$177	\$177	LF2/Trim 12		
7	8027-HSE-VD-PR-PID-0002 SH 5/7	RU0001A-E-01	RB-RU0001A29	BALL VALVE	LTC/SS	50mm	300#	Flanged	Refrigerant	FV/22	-45 ~ 120	18.8	73.5	N	1	1	ML3R1		Trim Line	Lever	\$298	\$298	LF2/SS304/SS304/RP/TFE	RB	Floating Ball
8	8027-HSE-VD-PR-PID-0002 SH 5/7	RU0001A-E-01	RB-RU0001A32	BALL VALVE	LTC/SS	50mm	300#	Flanged	Refrigerant	FV/22	-45 ~ 120	18.8	73.5	N	1	1	ML3R1		Trim Line	Lever	\$298	\$298	LF2/SS304/SS304/RP/TFE	RB	Floating Ball
9	8027-HSE-VD-PR-PID-0002 SH 5/7	2"PR-RU0001A07-ML3R1-N	FB-RU0001A02	BALL VALVE	LTC/SS	50mm	300#	Flanged	Refrigerant	FV/22	-45 ~ 120	18.7	56.32	N	1	1	ML3R1			Lever	\$298	\$298	LF2/SS304/SS304/RP/TFE		Floating Ball
10	8027-HSE-VD-PR-PID-0002 SH 5/7	2"PR-RU0001A13-ML3R1-N	FB-RU0001A03	BALL VALVE	LTC/SS	50mm	300#	Flanged	Refrigerant	FV/22	-45 ~ 120	18.7	56.32	N	1	1	ML3R1			Lever	\$298	\$298	LF2/SS304/SS304/RP/TFE		Floating Ball
11	8027-HSE-VD-PR-PID-0002 SH 5/7	RU0001A-D-02	RB-RU0001A05	BALL VALVE	LTC/SS	50mm	300#	Flanged	Refrigerant	FV/22	-45 ~ 120	18.7	56.32	N	1	1	ML3R1		Trim Line	Lever	\$298	\$298	LF2/SS304/SS304/RP/TFE	RB	Floating Ball
12	8027-HSE-VD-PR-PID-0002 SH 5/7	RU0001A-D-02	RB-RU0001A06	BALL VALVE	LTC/SS	50mm	300#	Flanged	Refrigerant	FV/22	-45 ~ 120	18.7	56.32	N	1	1	ML3R1		Trim Line	Lever	\$298	\$298	LF2/SS304/SS304/RP/TFE	RB	Floating Ball
13	8027-HSE-VD-PR-PID-0002 SH 5/7	RU0001A-D-02	RB-RU0001A02	BALL VALVE	LTC/SS	20mm	300#	Flanged	Refrigerant	FV/22	-45 ~ 120	18.7	56.32	N	1	1	ML3R1		Trim Line	Lever	\$164	\$164	LF2/SS304/SS304/RP/TFE	RB	Floating Ball
14	8027-HSE-VD-PR-PID-0002 SH 5/7	1"PR-RU0001A13-ML3R1-N	RB-RU0001A03	BALL VALVE	LTC/SS	25mm	300#	Flanged	Refrigerant	FV/22	-45 ~ 120	18.7	56.32	N	1	1	ML3R1			Lever	\$177	\$177	LF2/SS304/SS304/RP/TFE	RB	Floating Ball
15	8027-HSE-VD-PR-PID-0002 SH 5/7	1"PR-RU0001A13-ML3R1-N	RB-RU0001A04	BALL VALVE	LTC/SS	25mm	300#	Flanged	Refrigerant	FV/22	-45 ~ 120	18.7	56.32	N	1	1	ML3R1			Lever	\$177	\$177	LF2/SS304/SS304/RP/TFE	RB	Floating Ball
16	8027-HSE-VD-PR-PID-0002 SH 5/7	1"PR-RU0001A13-ML3R1-N	CHV-RU0001A04	CHURN VALVE	LTC/SS	25mm	300#	Flanged	Refrigerant	FV/22	-45 ~ 120	18.7	56.32	N	1	1	ML3R1			Lever	\$145	\$145	LF2/Trim 12		
17	8027-HSE-VD-PR-PID-0002 SH 6/7	1 1/2"PR-RU0001A06-ML3R1-N	RB-RU0001A41	BALL VALVE	LTC/SS	40mm	300#	Flanged	Refrigerant	FV/22	-45 ~ 120	18.7	56.32	Y	1	1	ML3R1	With Extended stem 100mm							
18	8027-HSE-VD-PR-PID-0002 SH 6/7	1 1/2"PR-RU0001A06-ML3R1-N	RB-RU0001A42	BALL VALVE	LTC/SS	20mm	300#	Flanged	Refrigerant	FV/22	-45 ~ 120	18.7	56.32	Y	1	1	ML3R1	With Extended stem 100mm							
19	8027-HSE-VD-PR-PID-0002 SH 6/7	1 1/2"PR-RU0001A06-ML3R1-N	GLO-RU0001A03	GLOBE VALVE	LTC/SS	25mm	300#	Flanged	Refrigerant	FV/22	-45 ~ 120	18.7	56.32	Y	1	1	ML3R1	With Extended stem 100mm							
20	8027-HSE-VD-PR-PID-0002 SH 6/7	2"PR-RU0001A09-ML3R1-C	RB-RU0001A43	BALL VALVE	LTC/SS	50mm	300#	Flanged	Refrigerant	FV/22	-45 ~ 120	3.86	0.88	Y	1	1	ML3R1	With Extended stem 100mm							
21	8027-HSE-VD-PR-PID-0002 SH 6/7	RU0001A-E-02	RB-RU0001A08	BALL VALVE	LTC/SS	50mm	300#	Flanged	Refrigerant	FV/22	-45 ~ 120	3.7	-0.07	Y	1	1	ML3R1	With Extended stem 100mm							
22	8027-HSE-VD-PR-PID-0002 SH 6/7	RU0001A-E-02	RB-RU0001A44	BALL VALVE	LTC/SS	50mm	300#	Flanged	Refrigerant	FV/22	-45 ~ 120	3.7	-0.07	Y	1	1	ML3R1	With Extended stem 100mm							
23	8027-HSE-VD-PR-PID-0002 SH 6/7	RU0001A-E-02	RB-RU0001A09	BALL VALVE	LTC/SS	50mm	300#	Flanged	Refrigerant	FV/22	-45 ~ 120	3.7	-0.07	Y	1	1	ML3R1	With Extended stem 100mm							
24	8027-HSE-VD-PR-PID-0002 SH 6/7	RU0001A-E-02	RB-RU0001A10	BALL VALVE	LTC/SS	50mm	300#	Flanged	Refrigerant	FV/22	-45 ~ 120	3.7	-0.07	Y	1	1	ML3R1	With Extended stem 100mm							
25	8027-HSE-VD-PR-PID-0002 SH 6/7	RU0001A-E-02	RB-RU0001A61	BALL VALVE	LTC/SS	50mm	300#	Flanged	Refrigerant	FV/22	-45 ~ 120	3.7	-0.07	Y	1	1	ML3R1	With Extended stem 100mm							
26	8027-HSE-VD-PR-PID-0002 SH 6/7	6"PR-RU0001A01-ML3R1-C	RB-RU0001A47	BALL VALVE	LTC/SS	20mm	300#	Flanged	Refrigerant	FV/22	-45 ~ 120	3.7	-0.17	Y	1	1	ML3R1	With Extended stem 100mm							
27	8027-HSE-VD-PR-PID-0002 SH 6/7	6"PR-RU0001A01-ML3R1-C	GLO-RU0001A04	BALL VALVE	LTC/SS	150mm	300#	Flanged	Refrigerant	FV/22	-45 ~ 120	3.7	-0.17	Y	1	1	ML3R1	With Extended stem 100mm							
28	8027-HSE-VD-PR-PID-0002 SH 6/7	6"PR-RU0001A01-ML3R1-C	GAT-RU0001A73	GAT VALVE	LTC/SS	15mm	300#	Flanged	Refrigerant	FV/22	-45 ~ 120	3.7	-0.17	Y	1	1	ML3R1	With Extended stem 100mm							
29	8027-HSE-VD-PR-PID-0002 SH 6/7	Instrument Air	GAT-RU0001A50	GAT VALVE	SS316/SS316	15mm	NPT-F	Threaded	Lube Oil	FV/22	-45 ~ 120	7	70	N	1	1	Instrument Air			Handwheel	\$208	\$208	LF2/Trim 12		
30	8027-HSE-VD-PR-PID-0002 SH 3/7	TUBING	SG-RU0001A01	Sight Glass	SS316/SS316	15mm	NPT-F	Threaded	Lube Oil	FV/22	-120	18.8	73.5	N	1	1	Tubing				\$208	\$208	F316		
31	8027-HSE-VD-PR-PID-0002 SH 6/7	TUBING	SG-RU0001A02	Sight Glass	SS316/SS316	15mm	NPT-F	Threaded	Refrigerant	FV/22	-45 ~ 120	18.8	-0.17	N	1	1	Tubing			Trim Material LTCS to be quoted as an option	\$208	\$208	F316		

1. Terms of Trade

Ex works. Currency: US Dollars.

2. Validity Time

The price as mentioned is not valid after Oct. 30th 2024.

3. Delivery Time

The sea shipment delivery is to be scheduled in 75 days upon receipt of purchase order with drawing and T/P approvals.

4. Terms of Payment

TT 30% in advance, and TT 70% when Shipment.

5. Packing

Seaworthy Suitable for shipment, HS Code: 848180090

6. Inspection

The quotation is not includes third part inspection.

\$10,331

Item	Tag No.	Valve Type	Body /Trim material	Connection	
				Size	Standard
1	RBL-RU0001B01	BALL VALVE	LTCS/SS316	20mm	300#
2	FBB-RU0001B07	BALL VALVE	LTCS/SS316	40mm	300#
3	FBB-RU0001B06	BALL VALVE	LTCS/SS	50mm	300#
4	FBB-RU0001B01	BALL VALVE	LTCS/SS	50mm	300#
5	RBL-RU0001B07	BALL VALVE	CS/SS	15mm	300#
6	GLO-RU0001B02	GLOBE VALVE	LTCS/SS	25mm	300#
7	RBL-RU0001B29	BALL VALVE	LTCS/SS	50mm	300#
8	RBL-RU0001B32	BALL VALVE	LTCS/SS	50mm	300#
9	FBB-RU0001B02	BALL VALVE	LTCS/SS	50mm	300#
10	FBB-RU0001B03	BALL VALVE	LTCS/SS	50mm	300#
11	RBL-RU0001B05	BALL VALVE	LTCS/SS	50mm	300#
12	RBL-RU0001B06	BALL VALVE	LTCS/SS	50mm	300#
13	RBL-RU0001B02	BALL VALVE	LTCS/SS	20mm	300#
14	RBL-RU0001B03	BALL VALVE	LTCS/SS	25mm	300#
15	RBL-RU0001B04	BALL VALVE	LTCS/SS	25mm	300#
16	CHV-RU0001B04	CHECK VALVE	LTCS/SS	25mm	300#
17	RBL-RU0001B41	BALL VALVE	LTCS/SS	40mm	300#
18	RBL-RU0001B42	BALL VALVE	LTCS/SS	20mm	300#
19	GLO-RU0001B03	GLOBE VALVE	LTCS/SS	25mm	300#
20	RBL-RU0001B43	BALL VALVE	LTCS/SS	50mm	300#
21	RBL-RU0001B08	BALL VALVE	LTCS/SS	50mm	300#
22	RBL-RU0001B44	BALL VALVE	LTCS/SS	50mm	300#
23	RBL-RU0001B09	BALL VALVE	LTCS/SS	50mm	300#
24	RBL-RU0001B10	BALL VALVE	LTCS/SS	50mm	300#
25	RBL-RU0001B61	BALL VALVE	LTCS/SS	50mm	300#
26	RBL-RU0001B47	BALL VALVE	LTCS/SS	20mm	300#
27	GLO-RU0001B04	BALL VALVE	LTCS/SS	150mm	300#
28	GAT-RU0001B73	GAT VALVE	LTCS/SS	15mm	300#
29	GAT-RU0001B50	GAT VALVE	SS316/SS316	15mm	NPT-F Rating 800#

30	SG-RU0001B01	Sight Glass	SS316/SS316	15mm	NPT-F
31	SG-RU0001B02	Sight Glass	SS316/SS316	15mm	NPT-F

1. Terms of Trade

Ex-works. Currency: US Dollars.

2. Validity Time

The price as mentioned is not valid after Oct. 30th 2024.

3. Delivery Time

The sea shipment delivery is to be scheduled in 75 days upon receipt of pu

4. Terms of Payment

TT 30% in advance, and TT 70% when Shipment.

5. Packing

Seaworthy Suitable for shipment, HS Code :8481804090

6. Inspection

The quotation is not includes third part inspection.

Type	Fluid	Design Condition		Operating Condition		Insulation	QTY
		Press. (bar G)	Temp (°C)	(bar G) Press.	Temp (°C)		
Flanged	Refrigerant	FV/22	-45 ~ 120	3.7	-0.17	Y	1
Flanged	Refrigerant	FV/22	-45 ~ 120	18.7	56.32	N	1
Flanged	Refrigerant	FV/22	-45 ~ 120	18.77	73.39	N	1
Flanged	Refrigerant	FV/22	-45 ~ 120	18,8	73,5	Y	1
Flanged	Refrigerant	FV/22	120	18.8	73.5	N	1
Flanged	Refrigerant	FV/22	-45 ~ 120	18.8	73.5	N	1
Flanged	Refrigerant	FV/22	-45 ~ 120	18.8	73.5	N	1
Flanged	Refrigerant	FV/22	-45 ~ 120	18.8	73.5	N	1
Flanged	Refrigerant	FV/22	-45 ~ 120	18.7	56.32	N	1
Flanged	Refrigerant	FV/22	-45 ~ 120	18.7	56.32	N	1
Flanged	Refrigerant	FV/22	-45 ~ 120	18.7	56.32	N	1
Flanged	Refrigerant	FV/22	-45 ~ 120	18.7	56.32	N	1
Flanged	Refrigerant	FV/22	-45 ~ 120	18.7	56.32	N	1
Flanged	Refrigerant	FV/22	-45 ~ 120	18.7	56.32	N	1
Flanged	Refrigerant	FV/22	-45 ~ 120	18.7	56.32	N	1
Flanged	Refrigerant	FV/22	-45 ~ 120	18.7	56.32	N	1
Flanged	Refrigerant	FV/22	-45 ~ 120	18.7	56.32	N	1
Flanged	Refrigerant	FV/22	-45 ~ 120	18.7	56.32	Y	1
Flanged	Refrigerant	FV/22	-45 ~ 120	18.7	56.32	Y	1
Flanged	Refrigerant	FV/22	-45 ~ 120	18.7	56.32	Y	1
Flanged	Refrigerant	FV/22	-45 ~ 120	3.86	0.88	Y	1
Flanged	Refrigerant	FV/22	-45 ~ 120	3.7	-0.07	Y	1
Flanged	Refrigerant	FV/22	-45 ~ 120	3.7	-0.07	Y	1
Flanged	Refrigerant	FV/22	-45 ~ 120	3.7	-0.07	Y	1
Flanged	Refrigerant	FV/22	-45 ~ 120	3.7	-0.07	Y	1
Flanged	Refrigerant	FV/22	-45 ~ 120	3.7	-0.07	Y	1
Flanged	Refrigerant	FV/22	-45 ~ 120	3.7	-0.17	Y	1
Flanged	Refrigerant	FV/22	-45 ~ 120	3.7	-0.17	Y	1
Flanged	Refrigerant	FV/22	-45 ~ 120	3.7	-0.17	Y	1
Thraded	Lube Oil	FV/22	-45 ~ 120	7	70	N	1

Thraded	Lube Oil	FV/22	120	18,8	73,5	N	1
Thraded	Refrigerant	FV/22	-45 ~ 120	18.8	-0.17	N	1

urchase order with drawing and ITP approvals.

Total	Pipe Class	Remark	Note	
1	ML3R1	With Extended stem 100mm		Trim Material LTCS to be quoted as an option
1	ML3R1			
1	ML3R1			
1	ML3R1	With Extended stem 100mm		
1	MC3R1		Size is Hold	
1	ML3R1			Trim Material LTCS to be quoted as an option
1	ML3R1		Trim Line	
1	ML3R1		Trim Line	
1	ML3R1			
1	ML3R1			
1	ML3R1		Trim Line	
1	ML3R1		Trim Line	
1	ML3R1		Trim Line	
1	ML3R1			
1	ML3R1			
1	ML3R1			
1	ML3R1	With Extended stem 100mm		
1	ML3R1	With Extended stem 100mm		
1	ML3R1	With Extended stem 100mm		
1	ML3R1	With Extended stem 100mm		
1	ML3R1	With Extended stem 100mm		
1	ML3R1	With Extended stem 100mm		
1	ML3R1	With Extended stem 100mm	Trim Line	
1	ML3R1	With Extended stem 100mm	Trim Line	
1	ML3R1	With Extended stem 100mm	Trim Line	
1	ML3R1	With Extended stem 100mm		
1	ML3R1	With Extended stem 100mm		
1	ML3R1	With Extended stem 100mm		
1	Instrument Air			

1	Tubing			
1	Tubing			Trim Material LTCS to be quoted as an option

Operation	U/P	T/P	Material	Bore	Remark
Lever	\$248	\$248	LF2/SS304/SS304/RPTFE	RB	Floating Ball
Lever	\$249	\$249	LF2/SS304/SS304/RPTFE		Floating Ball
Lever	\$298	\$298	LF2/SS304/SS304/RPTFE		Floating Ball
Lever	\$413	\$413	LF2/SS304/SS304/RPTFE		Floating Ball
Lever	\$117	\$117	A105/SS304/SS304/RPTFE	RB	Floating Ball
Handwheel	\$177	\$177	LF2/Trim 12		
Lever	\$298	\$298	LF2/SS304/SS304/RPTFE	RB	Floating Ball
Lever	\$298	\$298	LF2/SS304/SS304/RPTFE	RB	Floating Ball
Lever	\$298	\$298	LF2/SS304/SS304/RPTFE		Floating Ball
Lever	\$298	\$298	LF2/SS304/SS304/RPTFE		Floating Ball
Lever	\$298	\$298	LF2/SS304/SS304/RPTFE	RB	Floating Ball
Lever	\$298	\$298	LF2/SS304/SS304/RPTFE	RB	Floating Ball
Lever	\$164	\$164	LF2/SS304/SS304/RPTFE	RB	Floating Ball
Lever	\$177	\$177	LF2/SS304/SS304/RPTFE	RB	Floating Ball
Lever	\$177	\$177	LF2/SS304/SS304/RPTFE	RB	Floating Ball
	\$145	\$145	LF2/Trim 12		
Lever	\$364	\$364	LF2/SS304/SS304/RPTFE	RB	Floating Ball
Lever	\$244	\$244	LF2/SS304/SS304/RPTFE	RB	Floating Ball
Handwheel	\$239	\$239	LF2/Trim 12		
Lever	\$413	\$413	LF2/SS304/SS304/RPTFE	RB	Floating Ball
Lever	\$413	\$413	LF2/SS304/SS304/RPTFE	RB	Floating Ball
Lever	\$413	\$413	LF2/SS304/SS304/RPTFE	RB	Floating Ball
Lever	\$413	\$413	LF2/SS304/SS304/RPTFE	RB	Floating Ball
Lever	\$413	\$413	LF2/SS304/SS304/RPTFE	RB	Floating Ball
Lever	\$413	\$413	LF2/SS304/SS304/RPTFE	RB	Floating Ball
Lever	\$243	\$243	LF2/SS304/SS304/RPTFE	RB	Floating Ball
Gear	\$2.032	\$2.032	LF2/SS304/SS304/RPTFE		Floating Ball
Handwheel	\$208	\$208	LF2/Trim 12		
Handwheel	\$154	\$154	F316/Trim12		

	\$208	\$208	F316		
	\$208	\$208	F316		
		\$10.331			