

Item.	Your Item.	Article-No.	Quantity	Price (per pcs.)	Value
10		4374.3142	1 PC		
		Compact Performance Safety Relief Valve, Type 437, closed bonnet, gastight cap H2, for steam, gas and liquid service			
		net			
	Delivery time:				
	Weight:	4,014 KG / PC		HS Code: 84814010	
	Technical specification:				
	Ordercode output, line 1:			K7UK4ZH03M09X00V09V18L44MA9MA5	
	Ordercode output, line 2:			MA8MA6H01N68	
	Medium:			Liquid	
	Inlet body material:			Liquid 1.4404/316L	
	Outlet body material:			1.4404 / 316L (MA5)	
	Outlet Adaptor material:			1.4401/ 1.4404/ 316/ 316L (MA8)	
	outlet flange material:			1.4404/ 316L (MA6)	
	Flanged inlet connection:			outlet flange material: 1.4404/ 316L (V09)	
	Flanged outlet connection:			NPS1" CI150 according to ASME B16.5 (V18)	
	Nominal diameter inlet:			NPS1" CI150 according to ASME B16.5	
	Nominal diameter outlet:			NPS 1"	
	Pressure rating inlet:			150 lbs	
	Pressure rating outlet:			150 lbs	
	d0 (ASME-DIN) [mm]			10,0	
	Alpha d S/G:			0,50	
	Alpha d L:			0,35	
	Set pressure:			3,00	
	Pressure unit:			bar-g	
	Set pressure [bar-g]			3,00	
	Set pressure in [psi-g]			43,51	
	CDTP [bar-g]			3,00	
	CDTP [psi-g]			43,51	
	Operating temperature:			-196	
	Temperature unit:			°C - Celsius	
	Operating temperature in °C:			-196,00	
	Operating temperature in °F:			-321	
	Metal disc / mat.:			(L44)	
	Spindle material:			disc material 1.4404 / 316L (K4Z)	
	Adjusting screw material:			Spindle material: 1.4404 / 316L (K7U)	
	Inlet Flange material:			1.4401/ 1.4404/ 316/ 316L + PTFE/ glass (MA9)	
	Lifting device / cap material:			(K8T)	
	Spring material:			Lifting device / cap material: 1.4404/ 316L (X00)	
	Material certification for:			default material (H01)	
	Design specification:			Body – Item 1 with Material certification 3.1 acc. to DIN EN 10204 (N68)	
	Documentation:			Approval according to ASME Sec. XIII for ASME VIII DIV. 1 (UV Stamp) (H03)	
	Pressure setting:			LESER CGA Certificate for Global Application inspection certificate 3.1 acc. to DIN EN 10204 (M09)	
				with water	
	TAG-No., Valve 1:			PSV-1761	

Item.	Your Item.	Article-No.	Quantity	Price (per pcs.)	Value
	Specification of TAG-Marking:		(M25) marking with tag		

Item.	Your Item.	Article-No.	Quantity	Price (per pcs.)	Value
20		4374.3142	1 PC		
		Compact Performance Safety Relief Valve, Type 437, closed bonnet, gastight cap H2, for steam, gas and liquid service			
		net			
	Delivery time:				
	Weight:	3,724 KG / PC		HS Code: 84814010	
	Technical specification:				
	Ordercode output, line 1:			K7UK4ZH03M09X00V01V18L44MA9MA5	
	Ordercode output, line 2:			MA8MA6H01N68	
	Medium:			Liquid	
	Inlet body material:			Liquid 1.4404/316L	
	Outlet body material:			1.4404 / 316L (MA5)	
	Outlet Adaptor material:			1.4401/ 1.4404/ 316/ 316L (MA8)	
	outlet flange material:			1.4404/ 316L (MA6)	
	Flanged inlet connection:			outlet flange material: 1.4404/ 316L (V01)	
	Flanged outlet connection:			NPS 1/2" Cl150 according to ASME B16.5 (V18)	
	Nominal diameter inlet:			NPS1" Cl150 according to ASME B16.5	
	Nominal diameter outlet:			NPS 1/2"	
	Pressure rating inlet:			NPS 1"	
	Pressure rating outlet:			150 lbs	
	d0 (ASME-DIN) [mm]			150 lbs	
	Alpha d S/G:			10,0	
	Alpha d L:			0,50	
	Set pressure:			0,35	
	Pressure unit:			10,00	
	Set pressure [bar-g]			bar-g	
	Set pressure in [psi-g]			10,00	
	CDTP [bar-g]			145,04	
	CDTP [psi-g]			10,00	
	Operating temperature:			145,04	
	Temperature unit:			-196	
	Operating temperature in °C:			°C - Celsius	
	Operating temperature in °F:			-196,00	
	Metal disc / mat.:			-321	
	Spindle material:			(L44)	
	Adjusting screw material:			disc material 1.4404 / 316L (K4Z)	
	Inlet Flange material:			Spindle material: 1.4404 / 316L (K7U)	
	Lifting device / cap material:			1.4401/ 1.4404/ 316/ 316L + PTFE/ glass (MA9)	
	Spring material:			(K8T)	
	Material certification for:			Lifting device / cap material: 1.4404/ 316L (X00)	
	Design specification:			default material	
	Documentation:			(H01)	
	Pressure setting:			Body – Item 1 with Material certification 3.1 acc. to DIN EN 10204 (N68)	
				Approval according to ASME Sec. XIII for ASME VIII DIV. 1 (UV Stamp) (H03)	
				LESER CGA Certificate for Global Application inspection certificate 3.1 acc. to DIN EN 10204 (M09)	
				with water PSV-1703	

Item.	Your Item.	Article-No.	Quantity	Price (per pcs.)	Value
	Specification of TAG-Marking:		(M25) marking with tag		

Item.	Your Item.	Article-No.	Quantity	Price (per pcs.)	Value
	Specification of TAG-Marking:		(M25) marking with tag		

Item.	Your Item.	Article-No.	Quantity	Price (per pcs.)	Value
40		4374.3142	1 PC		
		Compact Performance Safety Relief Valve, Type 437, closed bonnet, gastight cap H2, for steam, gas and liquid service			
		net			
	Delivery time:				
	Weight:	3,724 KG / PC		HS Code: 84814010	
	Technical specification:				
	Ordercode output, line 1:			K7UK4ZH03M09X00V05V18L44MA9MA5	
	Ordercode output, line 2:			MA8MA6H01N68	
	Medium:			Liquid	
	Inlet body material:			Liquid 1.4404/316L	
	Outlet body material:			1.4404 / 316L (MA5)	
	Outlet Adaptor material:			1.4401/ 1.4404/ 316/ 316L (MA8)	
	outlet flange material:			1.4404/ 316L (MA6)	
	Flanged inlet connection:			outlet flange material: 1.4404/ 316L (V05)	
	Flanged outlet connection:			NPS3/4" CI150 according to ASME B16.5 (V18)	
	Nominal diameter inlet:			NPS1" CI150 according to ASME B16.5	
	Nominal diameter outlet:			NPS 3/4"	
	Pressure rating inlet:			NPS 1"	
	Pressure rating outlet:			150 lbs	
	d0 (ASME-DIN) [mm]			150 lbs	
	Alpha d S/G:			10,0	
	Alpha d L:			0,50	
	Set pressure:			0,35	
	Pressure unit:			10,00	
	Set pressure [bar-g]			bar-g	
	Set pressure in [psi-g]			10,00	
	CDTP [bar-g]			145,04	
	CDTP [psi-g]			10,00	
	Operating temperature:			145,04	
	Temperature unit:			-196	
	Operating temperature in °C:			°C - Celsius	
	Operating temperature in °F:			-196,00	
	Metal disc / mat.:			-321	
	Spindle material:			(L44)	
	Adjusting screw material:			disc material 1.4404 / 316L (K4Z)	
	Inlet Flange material:			Spindle material: 1.4404 / 316L (K7U)	
	Lifting device / cap material:			1.4401/ 1.4404/ 316/ 316L + PTFE/ glass (MA9)	
	Spring material:			(K8T)	
	Material certification for:			Lifting device / cap material: 1.4404/ 316L (X00)	
	Design specification:			default material	
	Documentation:			(H01)	
	Pressure setting:			Body – Item 1 with Material certification 3.1 acc. to DIN EN 10204 (N68)	
				Approval according to ASME Sec. XIII for ASME VIII DIV. 1 (UV Stamp) (H03)	
				LESER CGA Certificate for Global Application inspection certificate 3.1 acc. to DIN EN 10204 (M09)	
				with water	
	TAG-No., Valve 1:			PSV-731	

Item.	Your Item.	Article-No.	Quantity	Price (per pcs.)	Value
	Specification of TAG-Marking:		(M25) marking with tag		

Item.	Your Item.	Article-No.	Quantity	Price (per pcs.)	Value
50		4374.3142	1 PC		
		Compact Performance Safety Relief Valve, Type 437, closed bonnet, gastight cap H2, for steam, gas and liquid service			
		net			
	Delivery time:				
	Weight:	3,714 KG / PC		HS Code: 84814010	
	Technical specification:				
	Ordercode output, line 1:			K7UK4ZH03X00V01V18L44MA9MA5MA8	
	Ordercode output, line 2:			MA6H01N68	
	Medium:			Gases	
	Inlet body material:			1.4404/316L	
	Outlet body material:			1.4404 / 316L (MA5)	
	Outlet Adaptor material:			1.4401/ 1.4404/ 316/ 316L (MA8)	
	outlet flange material:			1.4404/ 316L (MA6)	
	Flanged inlet connection:			outlet flange material: 1.4404/ 316L (V01)	
	Flanged outlet connection:			NPS 1/2" Cl150 according to ASME B16.5 (V18)	
	Nominal diameter inlet:			NPS 1/2"	
	Nominal diameter outlet:			NPS 1"	
	Pressure rating inlet:			150 lbs	
	Pressure rating outlet:			150 lbs	
	d0 (ASME-DIN) [mm]			10,0	
	Alpha d S/G:			0,50	
	Alpha d L:			0,35	
	Set pressure:			7,00	
	Pressure unit:			bar-g	
	Set pressure [bar-g]			7,00	
	Set pressure in [psi-g]			101,53	
	CDTP [bar-g]			7,00	
	CDTP [psi-g]			101,53	
	Operating temperature:			35	
	Temperature unit:			°C - Celsius	
	Operating temperature in °C:			35,00	
	Operating temperature in °F:			95	
	Metal disc / mat.:			(L44)	
	Spindle material:			disc material 1.4404 / 316L (K4Z)	
	Adjusting screw material:			Spindle material: 1.4404 / 316L (K7U)	
	Inlet Flange material:			1.4401/ 1.4404/ 316/ 316L + PTFE/ glass (MA9)	
	Lifting device / cap material:			(K8T)	
	Spring material:			Lifting device / cap material: 1.4404/ 316L (X00)	
	Material certification for:			default material (H01)	
	Design specification:			Body – Item 1 with Material certification 3.1 acc. to DIN EN 10204 (N68)	
	Documentation:			Approval according to ASME Sec. XIII for ASME VIII DIV. 1 (UV Stamp) (H03)	
	TAG-No., Valve 1:			LESER CGA Certificate for Global Application inspection certificate 3.1 acc. to DIN EN 10204 PSV-733	
	Specification of TAG-Marking:			(M25) marking with tag	

Item.	Your Item.	Article-No.	Quantity	Price (per pcs.)	Value
60		4374.3142	1	PC	
		Compact Performance Safety Relief Valve, Type 437, closed bonnet, gastight cap H2, for steam, gas and liquid service			
		net			
	Delivery time:				
	Weight:	3,714 KG / PC		HS Code: 84814010	
	Technical specification:				
	Ordercode output, line 1:			K7UK4ZH03M09X00V01V18L44MA9MA5	
	Ordercode output, line 2:			MA8MA6H01N68	
	Medium:			Liquid	
	Inlet body material:			1.4404/316L	
	Outlet body material:			1.4404 / 316L (MA5)	
	Outlet Adaptor material:			1.4401/ 1.4404/ 316/ 316L (MA8)	
	outlet flange material:			1.4404/ 316L (MA6)	
	Flanged inlet connection:			outlet flange material: 1.4404/ 316L (V01)	
	Flanged outlet connection:			NPS 1/2" Cl150 according to ASME B16.5 (V18)	
	Nominal diameter inlet:			NPS 1/2"	
	Nominal diameter outlet:			NPS 1"	
	Pressure rating inlet:			150 lbs	
	Pressure rating outlet:			150 lbs	
	d0 (ASME-DIN) [mm]			10,0	
	Alpha d S/G:			0,50	
	Alpha d L:			0,35	
	Set pressure:			4,50	
	Pressure unit:			bar-g	
	Set pressure [bar-g]			4,50	
	Set pressure in [psi-g]			65,27	
	CDTP [bar-g]			4,50	
	CDTP [psi-g]			65,27	
	Operating temperature:			-196	
	Temperature unit:			°C - Celsius	
	Operating temperature in °C:			-196,00	
	Operating temperature in °F:			-321	
	Metal disc / mat.:			(L44)	
	Spindle material:			disc material 1.4404 / 316L (K4Z)	
	Adjusting screw material:			Spindle material: 1.4404 / 316L (K7U)	
	Inlet Flange material:			1.4401/ 1.4404/ 316/ 316L + PTFE/ glass (MA9)	
	Lifting device / cap material:			(K8T)	
	Spring material:			Lifting device / cap material: 1.4404/ 316L (X00)	
	Material certification for:			default material (H01)	
	Design specification:			Body – Item 1 with Material certification 3.1 acc. to DIN EN 10204 (N68)	
	Documentation:			Approval according to ASME Sec. XIII for ASME VIII DIV. 1 (UV Stamp) (H03)	
	Pressure setting:			LESER CGA Certificate for Global Application inspection certificate 3.1 acc. to DIN EN 10204 (M09)	
				with water	
	TAG-No., Valve 1:			PSV-1666	

Item.	Your Item.	Article-No.	Quantity	Price (per pcs.)	Value
	Specification of TAG-Marking:		(M25) marking with tag		

Item.	Your Item.	Article-No.	Quantity	Price (per pcs.)	Value
70		4374.3142	1 PC		
		Compact Performance Safety Relief Valve, Type 437, closed bonnet, gastight cap H2, for steam, gas and liquid service			
		net			
	Delivery time:				
	Weight:	4,014 KG / PC		HS Code: 84814010	
	Technical specification:				
	Ordercode output, line 1:			K7UK4ZH03M09X00V09V18L44MA9MA5	
	Ordercode output, line 2:			MA8MA6H01N68	
	Medium:			Liquid	
	Inlet body material:			Liquid 1.4404/316L	
	Outlet body material:			1.4404 / 316L (MA5)	
	Outlet Adaptor material:			1.4401/ 1.4404/ 316/ 316L (MA8)	
	outlet flange material:			1.4404/ 316L (MA6)	
	Flanged inlet connection:			outlet flange material: 1.4404/ 316L (V09)	
	Flanged outlet connection:			NPS1" CI150 according to ASME B16.5 (V18)	
	Nominal diameter inlet:			NPS1" CI150 according to ASME B16.5	
	Nominal diameter outlet:			NPS 1"	
	Pressure rating inlet:			150 lbs	
	Pressure rating outlet:			150 lbs	
	d0 (ASME-DIN) [mm]			10,0	
	Alpha d S/G:			0,50	
	Alpha d L:			0,35	
	Set pressure:			3,00	
	Pressure unit:			bar-g	
	Set pressure [bar-g]			3,00	
	Set pressure in [psi-g]			43,51	
	CDTP [bar-g]			3,00	
	CDTP [psi-g]			43,51	
	Operating temperature:			-196	
	Temperature unit:			°C - Celsius	
	Operating temperature in °C:			-196,00	
	Operating temperature in °F:			-321	
	Metal disc / mat.:			(L44)	
	Spindle material:			disc material 1.4404 / 316L (K4Z)	
	Adjusting screw material:			Spindle material: 1.4404 / 316L (K7U)	
	Inlet Flange material:			1.4401/ 1.4404/ 316/ 316L + PTFE/ glass (MA9)	
	Lifting device / cap material:			(K8T)	
	Spring material:			Lifting device / cap material: 1.4404/ 316L (X00)	
	Material certification for:			default material (H01)	
	Design specification:			Body – Item 1 with Material certification 3.1 acc. to DIN EN 10204 (N68)	
	Documentation:			Approval according to ASME Sec. XIII for ASME VIII DIV. 1 (UV Stamp) (H03)	
	Pressure setting:			LESER CGA Certificate for Global Application inspection certificate 3.1 acc. to DIN EN 10204 (M09)	
				with water	
	TAG-No., Valve 1:			PSV-1661	

Item.	Your Item.	Article-No.	Quantity	Price (per pcs.)	Value
	Specification of TAG-Marking:		(M25) marking with tag		

Item.	Your Item.	Article-No.	Quantity	Price (per pcs.)	Value
80		4374.3142	1	PC	
		Compact Performance Safety Relief Valve, Type 437, closed bonnet, gastight cap H2, for steam, gas and liquid service			
		net			
	Delivery time:				
	Weight:	4,024 KG / PC		HS Code: 84814010	
	Technical specification:				
	Ordercode output, line 1:			K7UK4ZH03M09X00V09V18L44MA9MA5	
	Ordercode output, line 2:			MA8MA6H01N68	
	Medium:			Liquid	
	Inlet body material:			Liquid 1.4404/316L	
	Outlet body material:			1.4404 / 316L (MA5)	
	Outlet Adaptor material:			1.4401/ 1.4404/ 316/ 316L (MA8)	
	outlet flange material:			1.4404/ 316L (MA6)	
	Flanged inlet connection:			outlet flange material: 1.4404/ 316L (V09)	
	Flanged outlet connection:			NPS1" CI150 according to ASME B16.5 (V18)	
	Nominal diameter inlet:			NPS1" CI150 according to ASME B16.5	
	Nominal diameter outlet:			NPS 1"	
	Pressure rating inlet:			150 lbs	
	Pressure rating outlet:			150 lbs	
	d0 (ASME-DIN) [mm]			10,0	
	Alpha d S/G:			0,50	
	Alpha d L:			0,35	
	Set pressure:			10,00	
	Pressure unit:			bar-g	
	Set pressure [bar-g]			10,00	
	Set pressure in [psi-g]			145,04	
	CDTP [bar-g]			10,00	
	CDTP [psi-g]			145,04	
	Operating temperature:			-196	
	Temperature unit:			°C - Celsius	
	Operating temperature in °C:			-196,00	
	Operating temperature in °F:			-321	
	Metal disc / mat.:			(L44)	
	Spindle material:			disc material 1.4404 / 316L (K4Z)	
	Adjusting screw material:			Spindle material: 1.4404 / 316L (K7U)	
	Inlet Flange material:			1.4401/ 1.4404/ 316/ 316L + PTFE/ glass (MA9)	
	Lifting device / cap material:			(K8T)	
	Spring material:			Lifting device / cap material: 1.4404/ 316L (X00)	
	Material certification for:			default material (H01)	
	Design specification:			Body – Item 1 with Material certification 3.1 acc. to DIN EN 10204 (N68)	
	Documentation:			Approval according to ASME Sec. XIII for ASME VIII DIV. 1 (UV Stamp) (H03)	
	Pressure setting:			LESER CGA Certificate for Global Application inspection certificate 3.1 acc. to DIN EN 10204 (M09)	
	TAG-No., Valve 1:			with water PSV-1603	

Item.	Your Item.	Article-No.	Quantity	Price (per pcs.)	Value
	Specification of TAG-Marking:		(M25) marking with tag		

Item.	Your Item.	Article-No.	Quantity	Price (per pcs.)	Value
	Specification of TAG-Marking:		(M25) marking with tag		

Item.	Your Item.	Article-No.	Quantity	Price (per pcs.)	Value
100		4412.4562	1 PC		
		High Performance Safety Relief Valve, Type 441 DIN, closed bonnet, gastight cap H2, for steam, gas and liquid service			
		net			
	Delivery time:				
	Weight:	60,800 KG / PC		HS Code: 84814010	
	Technical specification:				
	Ordercode output, line 1:		K7TMB1K4XH03M09K3FP2AJ99X00H88		
	Ordercode output, line 2:		H84H51H47H28L8KL64L49H01N68		
	Medium:		Liquid		
	Body material:		Liquid (H28) 1.4408 / CF8M		
	Nominal diameter inlet:		DN 80		
	Nominal diameter outlet:		DN 125		
	d0 (ASME-DIN) [mm]		74,0		
	Alpha d S/G:		0,70		
	Alpha d L:		0,45		
	Pressure rating inlet:		(H47) PN 40 according to DIN EN 1092		
	Pressure rating outlet:		(H51) PN 16 according to DIN EN 1092		
	Flange facing inlet:		(H84) form B1 according to EN 1092		
	Flange facing outlet:		(H88) form B1 according to EN 1092		
	Set pressure:		8,00		
	Pressure unit:		bar-g		
	Set pressure [bar-g]		8,00		
	Set pressure in [psi-g]		116,03		
	CDTP [bar-g]		8,00		
	CDTP [psi-g]		116,03		
	Operating temperature:		-196		
	Temperature unit:		°C - Celsius		
	Operating temperature in °C:		-196,00		
	Operating temperature in °F:		-321		
	Metal disc / mat.:		(L49) disc material: 1.4122		
	Gasket material:		(MB1) gasket material Graphite/1.4401		
	Bonnet material:		(J99) Bonnet material 1.0619/ WCB/ WCC		
	Spring material:		(X00) default material		
	Painting:		(P2A) 1-layer coating system in RAL 5005 acc. LID 1608.03		
	Guide material:		(K3F) Guide material: 1.0501		
	Spindle material:		(K4X) Spindle material:1.4021		
	Adjusting screw material:		(K7T) 1.4104/ 430F + PTFE/ glass		
	Stud bolt material Pos. 55		(L8K) Material stud bolts pos. 55: 1.4401/A4-70/SA-193+320 B8M		
	Nuts material Pos. 56		(L9K) Material nuts pos. 56: 1.4401/A4-70/SA-194-8M		
	Material certification for:		(H01) Body – Item 1 with Material certification 3.1 acc. to DIN EN 10204		
	Design specification:		(N68) Approval according to ASME Sec. XIII for ASME VIII DIV. 1 (UV Stamp)		
	Documentation:		(H03) LESER CGA Certificate for Global Application inspection certificate 3.1 acc. to DIN		

Item.	Your Item.	Article-No.	Quantity	Price (per pcs.)	Value
	Pressure setting:		EN 10204 (M09)		
	TAG-No., Valve 1:		with water		
	Specification of TAG-Marking:		PSV-1571 (M25)		
			marking with tag		

Item.	Your Item.	Article-No.	Quantity	Price (per pcs.)	Value
110		4374.3142	1 PC		
		Compact Performance Safety Relief Valve, Type 437, closed bonnet, gastight cap H2, for steam, gas and liquid service			
		net			
	Delivery time:				
	Weight:	3,724 KG / PC		HS Code: 84814010	
	Technical specification:				
	Ordercode output, line 1:			K7UK4ZH03M09X00V01V18L44MA9MA5	
	Ordercode output, line 2:			MA8MA6H01N68	
	Medium:			Liquid	
	Inlet body material:			Liquid 1.4404/316L	
	Outlet body material:			1.4404 / 316L (MA5)	
	Outlet Adaptor material:			1.4401/ 1.4404/ 316/ 316L (MA8)	
	outlet flange material:			1.4404/ 316L (MA6)	
	Flanged inlet connection:			outlet flange material: 1.4404/ 316L (V01)	
	Flanged outlet connection:			NPS 1/2" Cl150 according to ASME B16.5 (V18)	
	Nominal diameter inlet:			NPS1" Cl150 according to ASME B16.5	
	Nominal diameter outlet:			NPS 1/2"	
	Pressure rating inlet:			NPS 1"	
	Pressure rating outlet:			150 lbs	
	d0 (ASME-DIN) [mm]			150 lbs	
	Alpha d S/G:			10,0	
	Alpha d L:			0,50	
	Set pressure:			0,35	
	Pressure unit:			8,00	
	Set pressure [bar-g]			bar-g	
	Set pressure in [psi-g]			8,00	
	CDTP [bar-g]			116,03	
	CDTP [psi-g]			8,00	
	Operating temperature:			116,03	
	Temperature unit:			-196	
	Operating temperature in °C:			°C - Celsius	
	Operating temperature in °F:			-196,00	
	Metal disc / mat.:			-321	
	Spindle material:			(L44)	
	Adjusting screw material:			disc material 1.4404 / 316L (K4Z)	
	Inlet Flange material:			Spindle material: 1.4404 / 316L (K7U)	
	Lifting device / cap material:			1.4401/ 1.4404/ 316/ 316L + PTFE/ glass (MA9)	
	Spring material:			(K8T)	
	Material certification for:			Lifting device / cap material: 1.4404/ 316L (X00)	
	Design specification:			default material	
	Documentation:			(H01)	
	Pressure setting:			Body – Item 1 with Material certification 3.1 acc. to DIN EN 10204 (N68)	
				Approval according to ASME Sec. XIII for ASME VIII DIV. 1 (UV Stamp) (H03)	
				LESER CGA Certificate for Global Application inspection certificate 3.1 acc. to DIN EN 10204 (M09)	
				with water PSV-1573	

Item.	Your Item.	Article-No.	Quantity	Price (per pcs.)	Value
	Specification of TAG-Marking:		(M25) marking with tag		

Item.	Your Item.	Article-No.	Quantity	Price (per pcs.)	Value
120		4374.3142	1 PC		
		Compact Performance Safety Relief Valve, Type 437, closed bonnet, gastight cap H2, for steam, gas and liquid service			
		net			
	Delivery time:				
	Weight:	3,724 KG / PC		HS Code: 84814010	
	Technical specification:				
	Ordercode output, line 1:			K7UK4ZH03X00V01V18L44MA9MA5MA8	
	Ordercode output, line 2:			MA6H01	
	Medium:			Liquid	
	Inlet body material:			1.4404/316L	
	Outlet body material:			1.4404 / 316L (MA5)	
	Outlet Adaptor material:			1.4401/ 1.4404/ 316/ 316L (MA8)	
	outlet flange material:			1.4404/ 316L (MA6)	
	Flanged inlet connection:			outlet flange material: 1.4404/ 316L (V01)	
	Flanged outlet connection:			NPS 1/2" Cl150 according to ASME B16.5 (V18)	
	Nominal diameter inlet:			NPS 1/2"	
	Nominal diameter outlet:			NPS 1"	
	Pressure rating inlet:			150 lbs	
	Pressure rating outlet:			150 lbs	
	d0 (ASME-DIN) [mm]			10,0	
	Alpha d S/G:			0,50	
	Alpha d L:			0,35	
	Set pressure:			8,00	
	Pressure unit:			bar-g	
	Set pressure [bar-g]			8,00	
	Set pressure in [psi-g]			116,03	
	CDTP [bar-g]			8,00	
	CDTP [psi-g]			116,03	
	Operating temperature:			-196	
	Temperature unit:			°C - Celsius	
	Operating temperature in °C:			-196,00	
	Operating temperature in °F:			-321	
	Metal disc / mat.:			(L44)	
	Spindle material:			disc material 1.4404 / 316L (K4Z)	
	Adjusting screw material:			Spindle material: 1.4404 / 316L (K7U)	
	Inlet Flange material:			1.4401/ 1.4404/ 316/ 316L + PTFE/ glass (MA9)	
	Lifting device / cap material:			(K8T)	
	Spring material:			Lifting device / cap material: 1.4404/ 316L (X00)	
	Material certification for:			default material (H01)	
	Documentation:			Body – Item 1 with Material certification 3.1 acc. to DIN EN 10204 (H03)	
	TAG-No., Valve 1:			LESER CGA Certificate for Global Application inspection certificate 3.1 acc. to DIN EN 10204 PSV-1572	
	Specification of TAG-Marking:			(M25) marking with tag	

Item.	Your Item.	Article-No.	Quantity	Price (per pcs.)	Value
130		4374.3142	1	PC	
		Compact Performance Safety Relief Valve, Type 437, closed bonnet, gastight cap H2, for steam, gas and liquid service			
		net			
	Delivery time:				
	Weight:	4,240 KG / PC		HS Code: 84814010	
	Technical specification:				
	Ordercode output, line 1:			K7SK4ZH03M53M09X00V06V18L44MA9	
	Ordercode output, line 2:			MA5MA8MA6H01J92N68N7D	
	Medium:			Liquid	
	Inlet body material:			Liquid 1.4404/316L	
	Outlet body material:			1.4404 / 316L (MA5)	
	Outlet Adaptor material:			1.4401/ 1.4404/ 316/ 316L (MA8)	
	outlet flange material:			1.4404/ 316L (MA6)	
	Flanged inlet connection:			outlet flange material: 1.4404/ 316L (V06)	
	Flanged outlet connection:			NPS3/4" CI300/600 according to ASME B16.5 (V18)	
	Nominal diameter inlet:			NPS1" CI150 according to ASME B16.5	
	Nominal diameter outlet:			NPS 3/4"	
	Pressure rating inlet:			NPS 1"	
	Pressure rating outlet:			600 lbs	
	d0 (ASME-DIN) [mm]			150 lbs	
	Alpha d S/G:			10,0	
	Alpha d L:			0,50	
	Set pressure:			0,35	
	Pressure unit:			33,00	
	Set pressure [bar-g]			bar-g	
	Set pressure in [psi-g]			33,00	
	CDTP [bar-g]			478,62	
	CDTP [psi-g]			33,00	
	Operating temperature:			478,62	
	Temperature unit:			-196	
	Operating temperature in °C:			°C - Celsius	
	Operating temperature in °F:			-196,00	
	Metal disc / mat.:			-321	
	Spindle material:			(L44)	
	Adjusting screw material:			disc material 1.4404 / 316L (K4Z)	
	Inlet Flange material:			Spindle material: 1.4404 / 316L (K7S)	
	Lifting device / cap material:			Adjusting screw material:1.4404/ 316L (MA9)	
	Spring material:			(K8T)	
	Valve treatment:			Lifting device / cap material: 1.4404/ 316L (X00)	
	Material certification for:			default material (J92)	
	Design specification:			Oil- and grease free cleaning for increased requirements, incl. UV-light and white-light inspection (H01)	
	Design specification:			Body – Item 1 with Material certification 3.1 acc. to DIN EN 10204 (N68)	
				Approval according to ASME Sec. XIII for ASME VIII DIV. 1 (UV Stamp) (N7D)	
				Non-metallic components, lubricants and cleaning for oxygen service according to LID 1352.13	

Item.	Your Item.	Article-No.	Quantity	Price (per pcs.)	Value
	Documentation:		(H03)	LESER CGA Certificate for Global Application inspection certificate 3.1 acc. to DIN EN 10204	
	Documentation:		(M53)	Inspection certificate 3.1 acc. to DIN EN 10204: Testing that all parts are free of oil and grease acc. to LGS 0210	
	Pressure setting:		(M09)	with water	
	TAG-No., Valve 1:		PSV-501		
	Specification of TAG-Marking:		(M25)	marking with tag	

General Information

For valves in Oxygen service we are considering oxygen cleaning, packing and certification according to LESER Global Standard (LGS 0210 – Option Codes N7D, J92, M53) in our quotation which complies with DIN EN 12300.

If you have additional specifications or standards that need to be considered, please provide the reference to us accordingly

Item.	Your Item.	Article-No.	Quantity	Price (per pcs.)	Value
	Specification of TAG-Marking:		(M25) marking with tag		

Item.	Your Item.	Article-No.	Quantity	Price (per pcs.)	Value
150		4374.3142	1 PC		
		Compact Performance Safety Relief Valve, Type 437, closed bonnet, gastight cap H2, for steam, gas and liquid service			
		net			
	Delivery time:				
	Weight:	4,240 KG / PC		HS Code: 84814010	
	Technical specification:				
	Ordercode output, line 1:			K7SK4ZH03M53M09X00V06V18L44MA9	
	Ordercode output, line 2:			MA5MA8MA6H01J92N68N7D	
	Medium:			Liquid	
	Inlet body material:			Liquid 1.4404/316L	
	Outlet body material:			1.4404 / 316L (MA5)	
	Outlet Adaptor material:			1.4401/ 1.4404/ 316/ 316L (MA8)	
	outlet flange material:			1.4404/ 316L (MA6)	
	Flanged inlet connection:			outlet flange material: 1.4404/ 316L (V06)	
	Flanged outlet connection:			NPS3/4" CI300/600 according to ASME B16.5 (V18)	
	Nominal diameter inlet:			NPS1" CI150 according to ASME B16.5	
	Nominal diameter outlet:			NPS 3/4"	
	Pressure rating inlet:			NPS 1"	
	Pressure rating outlet:			600 lbs	
	d0 (ASME-DIN) [mm]			150 lbs	
	Alpha d S/G:			10,0	
	Alpha d L:			0,50	
	Set pressure:			0,35	
	Pressure unit:			33,00	
	Set pressure [bar-g]			bar-g	
	Set pressure in [psi-g]			33,00	
	CDTP [bar-g]			478,62	
	CDTP [psi-g]			33,00	
	Operating temperature:			478,62	
	Temperature unit:			-196	
	Operating temperature in °C:			°C - Celsius	
	Operating temperature in °F:			-196,00	
	Metal disc / mat.:			-321	
	Spindle material:			(L44)	
	Adjusting screw material:			disc material 1.4404 / 316L (K4Z)	
	Inlet Flange material:			Spindle material: 1.4404 / 316L (K7S)	
	Lifting device / cap material:			Adjusting screw material:1.4404/ 316L (MA9)	
	Spring material:			(K8T)	
	Valve treatment:			Lifting device / cap material: 1.4404/ 316L (X00)	
	Material certification for:			default material (J92)	
	Design specification:			Oil- and grease free cleaning for increased requirements, incl. UV-light and white-light inspection (H01)	
	Design specification:			Body – Item 1 with Material certification 3.1 acc. to DIN EN 10204 (N68)	
				Approval according to ASME Sec. XIII for ASME VIII DIV. 1 (UV Stamp) (N7D)	
				Non-metallic components, lubricants and cleaning for oxygen service according to LID 1352.13	

Item.	Your Item.	Article-No.	Quantity	Price (per pcs.)	Value
	Documentation:		(H03)		
			LESER CGA Certificate for Global Application inspection certificate 3.1 acc. to DIN EN 10204		
	Documentation:		(M53)		
			Inspection certificate 3.1 acc. to DIN EN 10204:		
	Pressure setting:		(M09)		
			with water		
	TAG-No., Valve 1:		PSV-502		
	Specification of TAG-Marking:		(M25)		
			marking with tag		

General Information

For valves in Oxygen service we are considering oxygen cleaning, packing and certification according to LESER Global Standard (LGS 0210 – Option Codes N7D, J92, M53) in our quotation which complies with DIN EN 12300.

If you have additional specifications or standards that need to be considered, please provide the reference to us accordingly

Technical Information

For valves in Oxygen service we are considering oxygen cleaning, packing and certification according to LESER Global Standard (LGS 0210 – Option Codes N7D, J92, M53) in our quotation which complies with DIN EN 12300.

If you have additional specifications or standards that need to be considered, please provide the reference to us accordingly

Item.	Your Item.	Article-No.	Quantity	Price (per pcs.)	Value
160		4412.4532	1 PC		
		High Performance Safety Relief Valve, Type 441 DIN, closed bonnet, gastight cap H2, for steam, gas and liquid service			
		net			
	Delivery time:				
	Weight:	17,746 KG / PC		HS Code: 84814010	
	Technical specification:				
	Ordercode output, line 1:		K7TMB1K4XH03K3FP2AJ99X00H88H84		
	Ordercode output, line 2:		H51H47H22L8JL64L49H01N68		
	Medium:		Gases		
	Body material:		Gases (H22) Body made of material 1.0619 (GP240GH) (with 3-fold certification: WCB,WCC,1.0619)		
	Nominal diameter inlet:		DN 40		
	Nominal diameter outlet:		DN 65		
	d0 (ASME-DIN) [mm]		37,0		
	Alpha d S/G:		0,70		
	Alpha d L:		0,45		
	Pressure rating inlet:		(H47) PN 40 according to DIN EN 1092		
	Pressure rating outlet:		(H51) PN 16 according to DIN EN 1092		
	Flange hole pattern Outlet:		4 hole pattern acc.DIN EN 1092		
	Flange facing inlet:		(H84) form B1 according to EN 1092		
	Flange facing outlet:		(H88) form B1 according to EN 1092		
	Set pressure:		23,00		
	Pressure unit:		bar-g		
	Set pressure [bar-g]		23,00		
	Set pressure in [psi-g]		333,59		
	CDTP [bar-g]		23,00		
	CDTP [psi-g]		333,59		
	Operating temperature:		35		
	Temperature unit:		°C - Celsius		
	Operating temperature in °C:		35,00		
	Operating temperature in °F:		95		
	Metal disc / mat.:		(L49) disc material: 1.4122		
	Gasket material:		(MB1) gasket material Graphite/1.4401		
	Bonnet material:		(J99) Bonnet material 1.0619/ WCB/ WCC		
	Spring material:		(X00) default material		
	Painting:		(P2A) 1-layer coating system in RAL 5005 acc. LID 1608.03		
	Guide material:		(K3F) Guide material: 1.0501		
	Spindle material:		(K4X) Spindle material:1.4021		
	Adjusting screw material:		(K7T) 1.4104/ 430F + PTFE/ glass		
	Stud bolt material Pos. 55		(L8J) Material stud bolts pos. 55: 1.7225/SA-193 B7/SA-320 L7		
	Nuts material Pos. 56		(L9J) Material nuts pos. 56: 1.7225 / SA-194 Gr.7 / SA-320 7L		
	Material certification for:		(H01) Body – Item 1 with Material certification 3.1 acc. to DIN EN 10204		
	Design specification:		(N68) Approval according to ASME Sec. XIII for ASME VIII DIV. 1 (UV Stamp)		

Item.	Your Item.	Article-No.	Quantity	Price (per pcs.)	Value
	Documentation:		(H03)		
	TAG-No., Valve 1:		LESER CGA Certificate for Global Application inspection certificate 3.1 acc. to DIN		
	Specification of TAG-Marking:		EN 10204		
			PSV-102		
			(M25)		
			marking with tag		

Item.	Your Item.	Article-No.	Quantity	Price (per pcs.)	Value
170		4414.4672	1 PC		
		High Performance Safety Relief Valve, Type 441 DIN, closed bonnet, gastight cap H2, for steam, gas and liquid service			
		net			
	Delivery time:				
	Weight:	30,800 KG / PC		HS Code: 84814010	
	Technical specification:				
	Ordercode output, line 1:		K7UMB1K4ZH03M53I63J54X00H88H84		
	Ordercode output, line 2:		H51H47H28L8KL64L44H01J92N68N7D		
	Medium:		Gases		
	Body material:		Gases (H28) 1.4408 / CF8M		
	Nominal diameter inlet:		DN 50		
	Nominal diameter outlet:		DN 80		
	d0 (ASME-DIN) [mm]		46,0		
	Alpha d S/G:		0,70		
	Alpha d L:		0,45		
	Pressure rating inlet:		(H47) PN 40 according to DIN EN 1092		
	Pressure rating outlet:		(H51) PN 16 according to DIN EN 1092		
	Flange facing inlet:		(H84) form B1 according to EN 1092		
	Flange facing outlet:		(H88) form B1 according to EN 1092		
	Set pressure:		33,00		
	Pressure unit:		bar-g		
	Set pressure [bar-g]		33,00		
	Set pressure in [psi-g]		478,62		
	CDTP [bar-g]		33,00		
	CDTP [psi-g]		478,62		
	Operating temperature:		35		
	Temperature unit:		°C - Celsius		
	Operating temperature in °C:		35,00		
	Operating temperature in °F:		95		
	Metal disc / mat.:		(L44) disc material 1.4404 / 316L		
	Gasket material:		(MB1) gasket material Graphite/1.4401		
	Bonnet material:		(J54) Bonnet material 1.4408 / CF8M, casted design		
	Spring material:		(X00) default material		
	Valve treatment:		(J92) Oil- and grease free cleaning for increased requirements, incl. UV-light and white-light inspection		
	Guide material:		(I63) Guide material: 1.4404 / 316L		
	Spindle material:		(K4Z) Spindle material: 1.4404 / 316L		
	Adjusting screw material:		(K7U) 1.4401/ 1.4404/ 316/ 316L + PTFE/ glass		
	Stud bolt material Pos. 55		(L8K) Material stud bolts pos. 55: 1.4401/A4-70/SA-193+320 B8M		
	Nuts material Pos. 56		(L9K) Material nuts pos. 56: 1.4401/A4-70/SA-194-8M		
	Material certification for:		(H01) Body – Item 1 with Material certification 3.1 acc. to DIN EN 10204		
	Design specification:		(N68) Approval according to ASME Sec. XIII for ASME VIII DIV. 1 (UV Stamp)		

Item.	Your Item.	Article-No.	Quantity	Price (per pcs.)	Value
	Design specification:		(N7D)		
			Non-metallic components, lubricants and cleaning for oxygen service according to LID 1352.13		
	Documentation:		(H03)		
			LESER CGA Certificate for Global Application inspection certificate 3.1 acc. to DIN EN 10204		
	Documentation:		(M53)		
			Inspection certificate 3.1 acc. to DIN EN 10204:		
			Testing that all parts are free of oil and grease acc. to LGS 0210		
	TAG-No., Valve 1:		PSV-1502		
	Specification of TAG-Marking:		(M25)		
			marking with tag		

Item.	Your Item.	Article-No.	Quantity	Price (per pcs.)	Value
180		4414.4672	1 PC		
		High Performance Safety Relief Valve, Type 441 DIN, closed bonnet, gastight cap H2, for steam, gas and liquid service			
		net			
	Delivery time:				
	Weight:	30,813 KG / PC		HS Code: 84814010	
	Technical specification:				
	Ordercode output, line 1:			K7UMB1K4ZH03M53I63J54X00H88H84	
	Ordercode output, line 2:			H51H47H28L8KL64L44H01J92N68N7D	
	Medium:			Gases	
				Gases	
	Body material:			(H28)	
				1.4408 / CF8M	
	Nominal diameter inlet:			DN 50	
	Nominal diameter outlet:			DN 80	
	d0 (ASME-DIN) [mm]			46,0	
	Alpha d S/G:			0,70	
	Alpha d L:			0,45	
	Pressure rating inlet:			(H47)	
				PN 40 according to DIN EN 1092	
	Pressure rating outlet:			(H51)	
				PN 16 according to DIN EN 1092	
	Flange facing inlet:			(H84)	
				form B1 according to EN 1092	
	Flange facing outlet:			(H88)	
				form B1 according to EN 1092	
	Set pressure:			22,00	
	Pressure unit:			bar-g	
	Set pressure [bar-g]			22,00	
	Set pressure in [psi-g]			319,08	
	CDTP [bar-g]			22,00	
	CDTP [psi-g]			319,08	
	Operating temperature:			35	
	Temperature unit:			°C - Celsius	
	Operating temperature in °C:			35,00	
	Operating temperature in °F:			95	
	Metal disc / mat.:			(L44)	
				disc material 1.4404 / 316L	
	Gasket material:			(MB1)	
				gasket material Graphite/1.4401	
	Bonnet material:			(J54)	
				Bonnet material 1.4408 / CF8M, casted design	
	Spring material:			(X00)	
				default material	
	Valve treatment:			(J92)	
				Oil- and grease free cleaning for increased requirements, incl. UV-light and white-light inspection	
	Guide material:			(I63)	
				Guide material: 1.4404 / 316L	
	Spindle material:			(K4Z)	
				Spindle material: 1.4404 / 316L	
	Adjusting screw material:			(K7U)	
				1.4401/ 1.4404/ 316/ 316L + PTFE/ glass	
	Stud bolt material Pos. 55			(L8K)	
				Material stud bolts pos. 55: 1.4401/A4-70/SA-193+320 B8M	
	Nuts material Pos. 56			(L9K)	
				Material nuts pos. 56: 1.4401/A4-70/SA-194-8M	
	Material certification for:			(H01)	
				Body – Item 1 with Material certification 3.1 acc. to DIN EN 10204	
	Design specification:			(N68)	
				Approval according to ASME Sec. XIII for ASME VIII DIV. 1 (UV Stamp)	

Item.	Your Item.	Article-No.	Quantity	Price (per pcs.)	Value
	Design specification:		(N7D)		
			Non-metallic components, lubricants and cleaning for oxygen service according to LID 1352.13		
	Documentation:		(H03)		
			LESER CGA Certificate for Global Application inspection certificate 3.1 acc. to DIN EN 10204		
	Documentation:		(M53)		
			Inspection certificate 3.1 acc. to DIN EN 10204:		
			Testing that all parts are free of oil and grease acc. to LGS 0210		
	TAG-No., Valve 1:		PSV-1501		
	Specification of TAG-Marking:		(M25)		
			marking with tag		

Item.	Your Item.	Article-No.	Quantity	Price (per pcs.)	Value
190		4444.3662	1 PC		
		High Performance Safety Relief Valve, Type 444 DIN, closed bonnet, gastight cap H2, for steam, gas and liquid service			
		net			
	Delivery time:				
	Weight:	14,546 KG / PC		HS Code: 84814010	
	Technical specification:				
	Ordercode output, line 1:		H03J36X00I71I72H02H01		
	Medium:		Gases		
	Body material:		Gases (H02) 1.4404 / 316L		
	Nominal diameter inlet:		DN 40		
	Nominal diameter outlet:		DN 80		
	d0 (ASME-DIN) [mm]		37,0		
	Inlet connection:		(I71) FD - flange PN 16 EN 1092		
	Outlet connection:		(I72) FD - flange PN 16 according to DIN EN 1092		
	Set pressure:		13,00		
	Pressure unit:		bar-g		
	Set pressure [bar-g]		13,00		
	Set pressure in [psi-g]		188,55		
	CDTP [bar-g]		13,00		
	CDTP [psi-g]		188,55		
	Operating temperature:		35		
	Temperature unit:		°C - Celsius		
	Operating temperature in °C:		35,00		
	Operating temperature in °F:		95		
	Material certification for:		(H01) Body – Item 1 with Material certification 3.1 acc. to DIN EN 10204		
	Documentation:		(H03) LESER CGA Certificate for Global Application inspection certificate 3.1 acc. to DIN EN 10204		
	TAG-No., Valve 1:		PSV-1601		
	Specification of TAG-Marking:		(M25) marking with tag		

Item.	Your Item.	Article-No.	Quantity	Price (per pcs.)	Value
200		4412.4532	1 PC		
		High Performance Safety Relief Valve, Type 441 DIN, closed bonnet, gastight cap H2, for steam, gas and liquid service			
		net			
	Delivery time:				
	Weight:	17,643 KG / PC		HS Code: 84814010	
	Technical specification:				
	Ordercode output, line 1:			K7TMB1K4XH03K3FP2AJ36X00H88H84	
	Ordercode output, line 2:			H51H47H22L8JL64L49H01	
	Medium:			Gases	
				Gases	
	Body material:			(H22)	
				Body made of material 1.0619 (GP240GH)	
				(with 3-fold certification: WCB,WCC,1.0619)	
	Nominal diameter inlet:			DN 40	
	Nominal diameter outlet:			DN 65	
	d0 (ASME-DIN) [mm]			37,0	
	Alpha d S/G:			0,70	
	Alpha d L:			0,45	
	Pressure rating inlet:			(H47)	
				PN 40 according to DIN EN 1092	
	Pressure rating outlet:			(H51)	
				PN 16 according to DIN EN 1092	
	Flange hole pattern Outlet:			4 hole pattern acc.DIN EN 1092	
	Flange facing inlet:			(H84)	
				form B1 according to EN 1092	
	Flange facing outlet:			(H88)	
				form B1 according to EN 1092	
	Set pressure:			13,00	
	Pressure unit:			bar-g	
	Set pressure [bar-g]			13,00	
	Set pressure in [psi-g]			188,55	
	CDTP [bar-g]			13,00	
	CDTP [psi-g]			188,55	
	Operating temperature:			35	
	Temperature unit:			°C - Celsius	
	Operating temperature in °C:			35,00	
	Operating temperature in °F:			95	
	Metal disc / mat.:			(L49)	
				disc material: 1.4122	
	Gasket material:			(MB1)	
				gasket material Graphite/1.4401	
	Bonnet material:			(J36)	
				0.7043 (GGG 40.3)	
	Spring material:			(X00)	
				default material	
	Painting:			(P2A)	
				1-layer coating system in RAL 5005 acc. LID 1608.03	
	Guide material:			(K3F)	
				Guide material: 1.0501	
	Spindle material:			(K4X)	
				Spindle material:1.4021	
	Adjusting screw material:			(K7T)	
				1.4104/ 430F + PTFE/ glass	
	Stud bolt material Pos. 55			(L8J)	
				Material stud bolts pos. 55: 1.7225/SA-193 B7/SA-320 L7	
	Nuts material Pos. 56			(L9J)	
				Material nuts pos. 56: 1.7225 / SA-194 Gr.7 / SA-320 7L	
	Material certification for:			(H01)	
				Body – Item 1 with Material certification 3.1 acc. to DIN EN 10204	
	Documentation:			(H03)	
				LESER CGA Certificate for Global Application inspection certificate 3.1 acc. to DIN	

Item.	Your Item.	Article-No.	Quantity	Price (per pcs.)	Value
	TAG-No., Valve 1: Specification of TAG-Marking:		EN 10204 PSV-1701 (M25) marking with tag		

Item.	Your Item.	Article-No.	Quantity	Price (per pcs.)	Value
210		5262.1442 API Series Safety Relief Valve, Type 526, Orifice H, closed bonnet, gastight cap H2, for steam, gas and liquid service	1 PC		
		net			
	Delivery time:				
	Weight:	42 KG / PC		HS Code: 84814010	
	Technical specification:				
	Ordercode output, line 1:			K7RK2SK2RMB1K4XH03K3FP2AJ99X00	
	Ordercode output, line 2:			H88H84H15H22L8JK1ES01J24H01N68	
	Ordercode output, line 3:			(M83)	
	Medium:			Gases	
	Body material:			Gases (H22) Body made of material 1.0619 (GP240GH) (with 3-fold certification: WCB,WCC,1.0619)	
	Nominal diameter inlet:			DN 50	
	Nominal diameter outlet:			DN 80	
	d0 (ASME-DIN) [mm]			28,3	
	Alpha d S/G:			0,80	
	Alpha d L:			0,58	
	Sonderdruckstufe (Eintritt)			PN 63	
	Pressure rating outlet:			(H15) PN 40 according to DIN EN 1092	
	Flange facing inlet:			(H84) form B1 according to EN 1092	
	Flange facing outlet:			(H88) form B1 according to EN 1092	
	Set pressure:			50,00	
	Pressure unit:			bar-g	
	Set pressure [bar-g]			50,00	
	Set pressure in [psi-g]			725,19	
	CDTP [bar-g]			50,00	
	CDTP [psi-g]			725,19	
	Operating temperature:			45	
	Temperature unit:			°C - Celsius	
	Operating temperature in °C:			45,00	
	Operating temperature in °F:			113	
	Nozzle material			(K1E) Nozzle material: 1.4408 / ASME SA-351 CF8M	
	Metal disc / mat.:			(J24) 1.4122, disc bull race version with detachable lifting aid	
	Guide material:			(K3F) Guide material: 1.0501	
	Spindle material:			(K4X) Spindle material:1.4021	
	Adjusting ring material:			(K2S)	
	Lock screw material:			(K2R) Lock screw material: 1.4404/ 316L	
	Bonnet material:			(J99) Bonnet material 1.0619/ WCB/ WCC	
	Spring material:			(X00) default material	
	Stud bolt material Pos. 55			(L8J) Material stud bolts pos. 55: 1.7225/SA-193 B7/SA-320 L7	
	Nuts material Pos. 56			(L9J) Material nuts pos. 56: 1.7225 / SA-194 Gr.7 / SA-320 7L	
	Painting:			(P2A) 1-layer coating system in RAL 5005 acc. LID 1608.03	
	Specials:			(S01) Special body/inlet body	

Item.	Your Item.	Article-No.	Quantity	Price (per pcs.)	Value
	Material certification for:		(H01)		
	Design specification:		Body – Item 1 with Material certification 3.1 acc. to DIN EN 10204 (N68)		
	Documentation:		Approval according to ASME Sec. XIII for ASME VIII DIV. 1 (UV Stamp) (H03)		
	TAG-No., Valve 1:		LESER CGA Certificate for Global Application inspection certificate 3.1 acc. to DIN EN 10204		
	Specification of TAG-Marking:		PSV-403 (M25) marking with tag		

Item.	Your Item.	Article-No.	Quantity	Price (per pcs.)	Value
220		4414.4672	1 PC		
		High Performance Safety Relief Valve, Type 441 DIN, closed bonnet, gastight cap H2, for steam, gas and liquid service			
		net			
	Delivery time:				
	Weight:	29,100 KG / PC		HS Code: 84814010	
	Technical specification:				
	Ordercode output, line 1:		K7UMB1K4ZH03I63J54X00H88H84H51		
	Ordercode output, line 2:		H47H28L8KL64L44H01		
	Body material:		(H28) 1.4408 / CF8M		
	Nominal diameter inlet:		DN 50		
	Nominal diameter outlet:		DN 80		
	d0 (ASME-DIN) [mm]		46,0		
	Alpha d S/G:		0,70		
	Alpha d L:		0,45		
	Pressure rating inlet:		(H47) PN 40 according to DIN EN 1092		
	Pressure rating outlet:		(H51) PN 16 according to DIN EN 1092		
	Flange facing inlet:		(H84) form B1 according to EN 1092		
	Flange facing outlet:		(H88) form B1 according to EN 1092		
	Set pressure:		7,70		
	Pressure unit:		bar-g		
	Set pressure [bar-g]		7,70		
	Set pressure in [psi-g]		111,68		
	CDTP [bar-g]		7,70		
	CDTP [psi-g]		111,68		
	Operating temperature:		-40		
	Temperature unit:		°C - Celsius		
	Operating temperature in °C:		-40,00		
	Operating temperature in °F:		-40		
	Metal disc / mat.:		(L44) disc material 1.4404 / 316L		
	Gasket material:		(MB1) gasket material Graphite/1.4401		
	Bonnet material:		(J54) Bonnet material 1.4408 / CF8M, casted design		
	Spring material:		(X00) default material		
	Guide material:		(I63) Guide material: 1.4404 / 316L		
	Spindle material:		(K4Z) Spindle material: 1.4404 / 316L		
	Adjusting screw material:		(K7U) 1.4401/ 1.4404/ 316/ 316L + PTFE/ glass		
	Stud bolt material Pos. 55		(L8K) Material stud bolts pos. 55: 1.4401/A4-70/SA-193+320 B8M		
	Nuts material Pos. 56		(L9K) Material nuts pos. 56: 1.4401/A4-70/SA-194-8M		
	Material certification for:		(H01) Body – Item 1 with Material certification 3.1 acc. to DIN EN 10204		
	Documentation:		(H03) LESER CGA Certificate for Global Application inspection certificate 3.1 acc. to DIN EN 10204		
	TAG-No., Valve 1:		PSV-402		
	Specification of TAG-Marking:		(M25) marking with tag		

Item.	Your Item.	Article-No.	Quantity	Price (per pcs.)	Value
230		4374.3142	1 PC		
		Compact Performance Safety Relief Valve, Type 437, closed bonnet, gastight cap H2, for steam, gas and liquid service			
		net			
	Delivery time:				
	Weight:	4,020 KG / PC		HS Code: 84814010	
	Technical specification:				
	Ordercode output, line 1:			K7UK4ZH03X00V09V18L44MA9MA5MA8	
	Ordercode output, line 2:			MA6H01N68	
	Medium:			Gases	
	Inlet body material:			1.4404/316L	
	Outlet body material:			1.4404 / 316L (MA5)	
	Outlet Adaptor material:			1.4401/ 1.4404/ 316/ 316L (MA8)	
	outlet flange material:			1.4404/ 316L (MA6)	
	Flanged inlet connection:			outlet flange material: 1.4404/ 316L (V09)	
	Flanged outlet connection:			NPS1" Cl150 according to ASME B16.5 (V18)	
	Nominal diameter inlet:			NPS1" Cl150 according to ASME B16.5	
	Nominal diameter outlet:			NPS 1"	
	Pressure rating inlet:			150 lbs	
	Pressure rating outlet:			150 lbs	
	d0 (ASME-DIN) [mm]			10,0	
	Alpha d S/G:			0,50	
	Alpha d L:			0,35	
	Set pressure:			2,50	
	Pressure unit:			bar-g	
	Set pressure [bar-g]			2,50	
	Set pressure in [psi-g]			36,26	
	CDTP [bar-g]			2,50	
	CDTP [psi-g]			36,26	
	Operating temperature:			-196	
	Temperature unit:			°C - Celsius	
	Operating temperature in °C:			-196,00	
	Operating temperature in °F:			-321	
	Metal disc / mat.:			(L44)	
	Spindle material:			disc material 1.4404 / 316L (K4Z)	
	Adjusting screw material:			Spindle material: 1.4404 / 316L (K7U)	
	Inlet Flange material:			1.4401/ 1.4404/ 316/ 316L + PTFE/ glass (MA9)	
	Lifting device / cap material:			(K8T)	
	Spring material:			Lifting device / cap material: 1.4404/ 316L (X00)	
	Material certification for:			default material (H01)	
	Design specification:			Body – Item 1 with Material certification 3.1 acc. to DIN EN 10204 (N68)	
	Documentation:			Approval according to ASME Sec. XIII for ASME VIII DIV. 1 (UV Stamp) (H03)	
	TAG-No., Valve 1:			LESER CGA Certificate for Global Application inspection certificate 3.1 acc. to DIN EN 10204	
	Specification of TAG-Marking:			PSV-702 (M25)	
				marking with tag	

Item.	Your Item.	Article-No.	Quantity	Price (per pcs.)	Value
240		4412.0592	1 PC		
		High Performance Safety Relief Valve, Type 441 DIN Full Nozzle, closed bonnet, gastight cap H2, for steam, gas and liquid service			
		net			
	Delivery time:				
	Weight:	31,717 KG / PC		HS Code: 84814010	
	Technical specification:				
	Ordercode output, line 1:			K7TMB1K4XH03K3FP2AJ36X00H88H84	
	Ordercode output, line 2:			H51H47H22L8JL64L49H01	
	Medium:			Gases	
				Gases	
	Body material:			(H22)	
				Body made of material 1.0619 (GP240GH)	
				(with 3-fold certification: WCB,WCC,1.0619)	
	Nominal diameter inlet:			DN 50	
	Nominal diameter outlet:			DN 80	
	d0 (ASME-DIN) [mm]			46,0	
	Alpha d S/G:			0,70	
	Alpha d L:			0,45	
	Pressure rating inlet:			(H47)	
				PN 40 according to DIN EN 1092	
	Pressure rating outlet:			(H51)	
				PN 16 according to DIN EN 1092	
	Flange facing inlet:			(H84)	
				form B1 according to EN 1092	
	Flange facing outlet:			(H88)	
				form B1 according to EN 1092	
	Set pressure:			23,00	
	Pressure unit:			bar-g	
	Set pressure [bar-g]			23,00	
	Set pressure in [psi-g]			333,59	
	CDTP [bar-g]			23,00	
	CDTP [psi-g]			333,59	
	Operating temperature:			35	
	Temperature unit:			°C - Celsius	
	Operating temperature in °C:			35,00	
	Operating temperature in °F:			95	
	Nozzle material			(L64)	
				Nozzle material: 1.4404/316L	
	Metal disc / mat.:			(L49)	
				disc material: 1.4122	
	Gasket material:			(MB1)	
				gasket material Graphite/1.4401	
	Spring material:			(X00)	
				default material	
	Bonnet material:			(J36)	
				0.7043 (GGG 40.3)	
	Guide material:			(K3F)	
				Guide material: 1.0501	
	Spindle material:			(K4X)	
				Spindle material:1.4021	
	Adjusting screw material:			(K7T)	
				1.4104/ 430F + PTFE/ glass	
	Lifting device / cap material:			(K8R)	
				Lifting device / cap material:1.0460/ SA-105	
	Stud bolt material Pos. 55			(L8J)	
				Material stud bolts pos. 55: 1.7225/SA-193 B7/SA-320 L7	
	Nuts material Pos. 56			(L9J)	
				Material nuts pos. 56: 1.7225 / SA-194 Gr.7 / SA-320 7L	

Item.	Your Item.	Article-No.	Quantity	Price (per pcs.)	Value
	Test gag material:		(MB5)		
	Painting:		(P2A)		
			1-layer coating system in RAL 5005 acc. LID 1608.03		
	Material certification for:		(H01)		
			Body – Item 1 with Material certification 3.1 acc. to DIN EN 10204		
	Documentation:		(H03)		
			LESER CGA Certificate for Global Application inspection certificate 3.1 acc. to DIN EN 10204		
	Warennummern / Brussels Nomenclature				
	Sicherheitsventil / Safety Valve		8481 40 10		
	Druckminderer / Reducing valve		8481 10 19		
	Berstscheibe / Bursting disc		7326 90 98		
	Wechselventil / Change-over-valve		8481 80 73		
	Teile / Parts		8481 90 00		
	Einstelltisch / setting rig		9031 20 00		