

Item.	Your Item.	Article-No.	Quantity	Price (per pcs.)	Value
20	2	<b>4421.4445</b> High Performance Safety Relief Valve, Type 442 DIN, open bonnet, lifting device H3, for steam, gas and liquid service	1 PC		
		Delivery time:			
		Weight: 86,846 KG / PC		HS Code: 84814010	
		<b>Technical specification:</b>			
		Ordercode output, line 1:		K7UMB1K4XH03K3GP2AJ36X00H88H84	
		Ordercode output, line 2:		H51H45H23L8JL64L49H01	
		Body material:		(H23) 0.7043 (GGG40.3)	
		Materialinformation:		diff.Material is delivered!	
		Nominal diameter inlet:		DN 100	
		Nominal diameter outlet:		DN 150	
		d0 (ASME-DIN) [mm]		92,0	
		Alpha d S/G:		0,70	
		Alpha d L:		0,45	
		Pressure rating inlet:		(H45) PN 16 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:		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:		20	
		Temperature unit:		°C - Celsius	
		Operating temperature in °C:		20,00	
		Operating temperature in °F:		68	
		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	
		Guide material:		(K3G) Guide material: 1.0460/ SA-105	
		Spindle material:		(K4X) Spindle material:1.4021	
		Adjusting screw material:		(K7U) 1.4401/ 1.4404/ 316/ 316L + 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	
		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	

Item.	Your Item.	Article-No.	Quantity	Price (per pcs.)	Value
30	1	<b>4421.4415</b> High Performance Safety Relief Valve, Type 442 DIN, open bonnet, lifting device H3, for steam, gas and liquid service	2 PC		

**Delivery time:**

Weight: 23,200 KG / PC

HS Code: 84814010

**Technical specification:**

Ordercode output, line 1:	K7TMB1K4XH03K3FP2AJ36X00H88H84
Ordercode output, line 2:	H51H45H23L8JL64L49H01
Body material:	(H23) 0.7043 (GGG40.3)
Materialinformation:	diff.Material is delivered!
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:	(H45) PN 16 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:	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:	20
Temperature unit:	°C - Celsius
Operating temperature in °C:	20,00
Operating temperature in °F:	68
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
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
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

Item.	Your Item.	Article-No.	Quantity	Price (per pcs.)	Value
10		<b>5262.5922</b>	2 PC		
		API Series Safety Relief Valve, Type 526, Orifice N, closed bonnet, gastight cap H2, for steam, gas and liquid service			

**Delivery time:**

Weight: 121,645 KG / PC

HS Code: 84814010

**Technical specification:**

Ordercode output, line 1: K7RK2SK2RMB1K4XH03K3GP2AJ99X00  
 Ordercode output, line 2: L39H89H79H67H22L8JL64J24H01N73  
 Body material: (H22)  
 Body made of material 1.0619 (GP240GH)  
 (with 3-fold certification: WCB,WCC,1.0619)  
 Nominal diameter inlet: NPS 4"  
 Nominal diameter outlet: NPS 6"  
 d0 (ASME-DIN) [mm] 66,0  
 Alpha d S/G: 0,80  
 Alpha d L: 0,58  
 Pressure rating inlet: (H67)  
 600 lbs according to ASME B 16.5  
 Pressure rating outlet: (H79)  
 150 lbs according to ASME B 16.5  
 Flange facing inlet: (H89)  
 Serrated spiral finish, Ra=3,2-6,3  
 Flange facing outlet: (L39)  
 serrated spiral finish (Ra = 3,2 - 6,3 µm) according to  
 ASME B 16.5  
 Set pressure: 33,50  
 Pressure unit: bar-g  
 Set pressure [bar-g] 33,50  
 Set pressure in [psi-g] 485,88  
 CDTP [bar-g] 33,50  
 CDTP [psi-g] 485,88  
 Operating temperature: 60  
 Temperature unit: °C - Celsius  
 Operating temperature in °C: 60,00  
 Operating temperature in °F: 140  
 Nozzle material: (L64)  
 Nozzle material: 1.4404/316L

Metal disc / mat.: (J24)  
 1.4122, disc bull race version with detachable lifting aid  
 Guide material: (K3G)  
 Guide material: 1.0460/ SA-105  
 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  
 Material certification for: (H01)  
 Body – Item 1 with Material certification 3.1 acc. to DIN EN 10204

Item.	Your Item.	Article-No.	Quantity	Price (per pcs.)	Value
	Design specification:		(N73)		
	Documentation:		special documentation acc. CSBQTS (H03)		
			LESER CGA Certificate for Global Application inspection certificate 3.1 acc. to DIN EN 10204		
	<b>TAG-No., Valve 1:</b>		<b>19SP2252</b>		
	<b>TAG-No., Valve 2:</b>		<b>19SP2252</b>		
	Specification of TAG-Marking:		(M25)		
	4th Marking, Item:		marking with tag		
	Specification of 4th Marking:		TSF 700 301-2023 (M17)		
			Marking Worldnameplate 2. line		
	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		