

Quotation	3022483.1	Rev.	0	prev. Order No.	K02-0370.1
Customer	Impexron GmbH/105951			Data Sheet No.	DB3022483.1
Inquiry No.	596665			Quantity	1
Project					
Tag No. / KKS No.	030-0910-02/000005/14/24				

Type	TDM138UV-010-CS	PUMP PROTECTION VALVE
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Valve Design						
	Connection	Size	Class	Standard	Schedule	Surface
P	Inlet	NPS 6	CLASS 1500	ASME B16.5	80	RTJ
R	Outlet	NPS 6	CLASS 1500	ASME B16.5	80	RTJ
B	Bypass	NPS 3	CLASS 1500	ASME B16.5	80	RTJ
A	Start-Up					

Installation P-R	vertical
Painting	SA Standard Type 2
Certificates	ASME B16.34 + EN10204-3.1

Design Data			
Design Temp.	130,00 °C	Design Pressure	180,00 bar g

Material					
Body	A105	Internals	Cr>13%	Gaskets	EPDM-02

Medium					
Medium	Boiler feed water				
Operating Temp.	min.	130,00 °C		max.	130,00 °C
S.G.	min.	0,934 t/m³		max.	0,934 t/m³

Operating Data				
		Case 1	Case 2	Case 3
Q_M	m³/h	70,3		
H_M	m	1829,00		
Q_{100}	m³/h	234,00		
H_{100}	m	1510,00		
Q_{max}	m³/h	300,00		
H_{max}				
H_0	m	1833,00		
Q_A				
H_A				
p_v	bar g	3,4		
p_N	bar g	6,00		
Δp_{Bypass}	bar	164,92		
$k_v-Bypass$		5,29		
RPM				

Remarks

previous valve code: TDM138UVWW-CS

Pressure drop at $Q_{100} = 234 \text{ m}^3/\text{h}$ is 1.1 bar.
Suction pressure range (PV): 3.4 to 3.6 bar g.

further preorder: K13-0395.1

Revision	Date	Description	Name
0	11.02.2021	Anlage/creation	Koehler