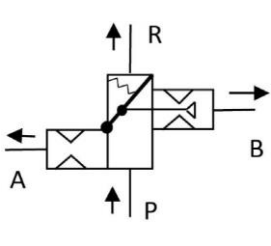


Quotation	3025529.1	Rev.	0	prev. Order No.	K12-0448.1
Customer	Impexron GmbH/105951			Data Sheet No.	DB3025529.1
Inquiry No.	729793			Quantity	1
Project	ARENALES / SPAIN				
Tag No. / KKS No.	4500418888/49608 1/2				

Type	TDM138UV-009S-CS	PUMP PROTECTION VALVE
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Valve Design						
	Connection	Size	Class	Standard	Schedule	Surface
P	Inlet	NPS 4	CLASS 1500	ASME B16.5	80	RTJ
R	Outlet	NPS 6	CLASS 1500	ASME B16.5	80	RTJ
B	Bypass	NPS 2 1/2	CLASS 1500	ASME B16.5	80	RTJ
A	Start-Up					



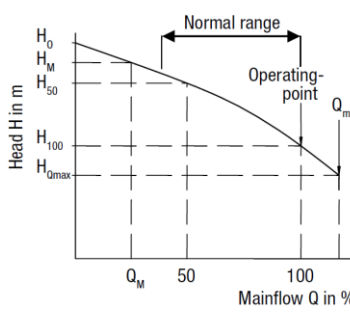
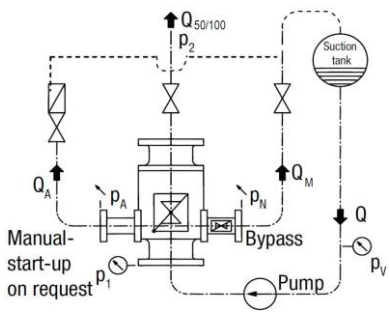
Installation P-R	vertical
Painting	Customer Painting Specification
Certificates	ASME B16.34 + EN10204-3.1

Design Data			
Design Temp.	180,00 °C	Design Pressure	144,00 bar g

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

Medium			
Medium	Boiler feed water		
Operating Temp.	min.	177,4 °C	max. 177,4 °C
S.G.	min.	0,889 t/m ³	max. 0,889 t/m ³

Operating Data				
		Case 1	Case 2	Case 3
Q _M	m ³ /h	105,00		
H _M	m	1480,00		
Q ₁₀₀	m ³ /h	303,9		
H ₁₀₀	m	1289,00		
Q _{max}	m ³ /h	355,00		
H _{max}				
H ₀	m	1495,00		
Q _A				
H _A				
p _v	bar g	9,27		
p _N	bar g	15,00		
Δp _{Bypass}	bar	123,29		
k _{v-Bypass}		8,92		
RPM				

Remarks

previous valve code: TDM138UVWS-CS

Special painting: acc. to preorder; SULZER Spec.HA-3.1-CS

Revision	Date	Description	Name
0	01.09.2021	Anlage/creation	Koehler