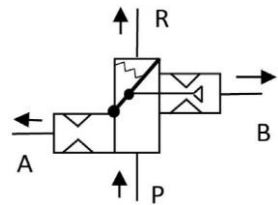


Quotation	3042967.1	Rev.	0	prev. Order No.	K04-0155.1
Customer	Impexron GmbH/105951			Data Sheet No.	DB3042967.1
Inquiry No.	1466903			Quantity	1
Project	LURGI				
Tag No. / KKS No.					

Type	TDM116UV-008-CS	PUMP PROTECTION VALVE
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Valve Design						
	Connection	Size	Class	Standard	Schedule	Surface
P	Inlet	NPS 4	CLASS 600	ASME B16.5	80	RF
R	Outlet	NPS 4	CLASS 600	ASME B16.5	80	RF
B	Bypass	NPS 2	CLASS 600	ASME B16.5	80	RF
A	Start-Up					
Installation P-R	vertical					
Painting	Standard 2 acc. to 1Q352					
Certificates	IBR III C + EN10204-3.1					

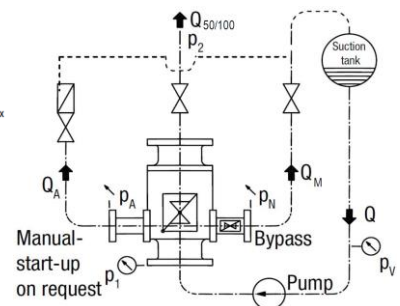
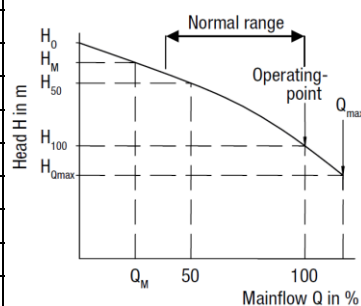


Design Data						
Design Temp.	105	°C	Design Pressure			

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

Medium						
Medium	Boiler feed water					
Operating Temp.	min.	105,00	°C	max.	105,00	°C
S.G.	min.	0,954	t/m³	max.	0,954	t/m³

Operating Data				
		Case 1	Case 2	Case 3
Q_M	m³/h	42,8		
H_M	m	752,00		
Q_{100}	m³/h	136,00		
H_{100}	m	680,00		
Q_{max}	m³/h	258,00		
H_{max}				
H_0	m	760,00		
Q_A				
H_A				
p_v	bar g	0,78		
p_N	bar g	1,45		
Δp_{Bypass}	bar	69,68		
$k_{v-Bypass}$		5,01		
RPM				



The hydraulic non-return function is activated when $p_N > p_1 + 2 \text{ bar g}$

Remarks

previous valve code: TDM116UVW-CS

further pre order: 4018350.1

Revision	Date	Description	Name
0	07.10.2024	Anlage/creation	Koehler