

Quotation	<b>3017182.1</b>	Rev.	<b>0</b>	prev. Order No.	<b>K14-0810.2</b>
Customer	<b>Impexron GmbH/105951</b>			Data Sheet No.	<b>DB3017182.1</b>
Inquiry No.	<b>425336</b>	Quantity	<b>1</b>		
Project					
Tag No. / KKS No.					

Type	<b>TDM086UVW-CS</b>	<b>PUMP PROTECTION VALVE</b>
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Valve Design						
	Connection	Size	Class	Standard	Schedule	Surface
<b>P</b>	Inlet	<b>NPS 2</b>	<b>CLASS 600</b>	<b>ASME B16.5</b>	<b>80</b>	<b>RF</b>
<b>R</b>	Outlet	<b>NPS 2</b>	<b>CLASS 600</b>	<b>ASME B16.5</b>	<b>80</b>	<b>RF</b>
<b>B</b>	Bypass	<b>NPS 1</b>	<b>CLASS 600</b>	<b>ASME B16.5</b>	<b>80</b>	<b>RF</b>
<b>A</b>	Start-Up					

Installation P-R	<b>vertical</b>
Painting	<b>SA Standard Type 2</b>
Certificates	<b>IBR III C + EN10204-3.1</b>

Design Data	
Design Temp.	<b>130,00 °C</b>
Design Pressure	

Material	
Body	<b>A105</b>
Internals	<b>Cr&gt;13%</b>
Gaskets	<b>EPDM-02</b>

Medium	
Medium	<b>Boiler feed water</b>
Operating Temp.	min. <b>130,00 °C</b> max. <b>130,00 °C</b>
S.G.	min. <b>0,9346 t/m³</b> max. <b>0,9346 t/m³</b>

Operating Data				
		Case 1	Case 2	Case 3
$Q_M$	m³/h	<b>7,6</b>		
$H_M$	m	<b>817,7</b>		
$Q_{100}$	m³/h	<b>13,00</b>		
$H_{100}$	m	<b>800,00</b>		
$Q_{max}$				
$H_{max}$				
$H_0$	m	<b>825,00</b>		
$Q_A$				
$H_A$				
$p_v$	kg/cm² a	<b>3,75</b>		
$p_N$	kg/cm² a	<b>5,75</b>		
$\Delta p_{Bypass}$	kg/cm²	<b>74,42</b>		
$k_v-Bypass$		<b>0,86</b>		
RPM				

**Remarks**

Pump type: HDA 50/15

Indent No.: 05002140121

Revision	Date	Description	Name
<b>0</b>	<b>11.02.2020</b>	<b>Anlage/creation</b>	<b>Koehler</b>