

pressure reduction valve

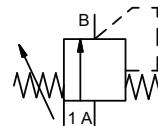
3-HPI-1 32

3-HPI-2 32

valve type with pilot valve

type **HPI-1 32**
HPI-2 32

control valve manual	externally controlled
pressure range	PN 0-100 bar
orifice	DN 32 mm
connection	thread
function	manual stepless pressure regulation



 Above stated body materials refer to the valve port connections that get in contact with the media only!

design	externally controlled with spring return
body materials	① brass ② ③
valve seat	metal on metal
seal materials	PU, NBR

FPM

details needed for main valve

- orifice
- port
- pressure regulating range
- flow rate
- media
- media temperature
- ambient temperature

details needed for pneumatic actuation

- nominal voltage
- type of protection
- actuation pressure range min/max

general specifications		options
ports	HPI-1 threads G 1 1/2	
function	HPI-2 threads G 1 1/2	
pressure regulation range	stepless regulation	
bar	HPI-1 5-40	HPI-2 5-100
flow rate	max. 24,3	
media	gaseous - liquid - highly viscous - contaminated	
abrasive media		
flow direction	A = B as marked	
settling time	ms HPI-1 < 200	HPI-2 < 400
media temperature	°C 0 to +60	
ambient temperature	°C 0 to +50	
approvals		
mounting		mounting bracket
weight	kg HPI-1 15,1	HPI-2 16,2
additional equipment		

electrical specifications

nominal voltage	U _n DC 24 V	special voltage upon request
	U _n AC 230 V 50 Hz	special voltage upon request
power consumption	DC 4,8 W	2,5 W
	AC pick up 11,0 VA holding 8,5 VA	
protection	IP65 (P54) acc. DIN 40050	
energized duty rating	ED 100%	
connection	plug acc. DIN EN 175301-803 form B, 3 positions x90° / wire diameter 6-8 mm	
optional	M12x1 connector acc. DESINA	connector acc. VDMA
additional equipment		
max. temperature	media 60°C	
	ambient 50°C	
explosion proof	E Ex e II T5 nominal voltage U _n	DC 24 V 3,25 W
	power consumption	AC 230 V 50 Hz 2,90 W

pneumatic specifications

actuation pressure range	see actuation pressure-diagram
compressed air	DIN ISO 8573-1 grade of compressed air quality 5/4/3
control	preferably 3/2 way pilot valve during low pressure circulation mode

actuator ports

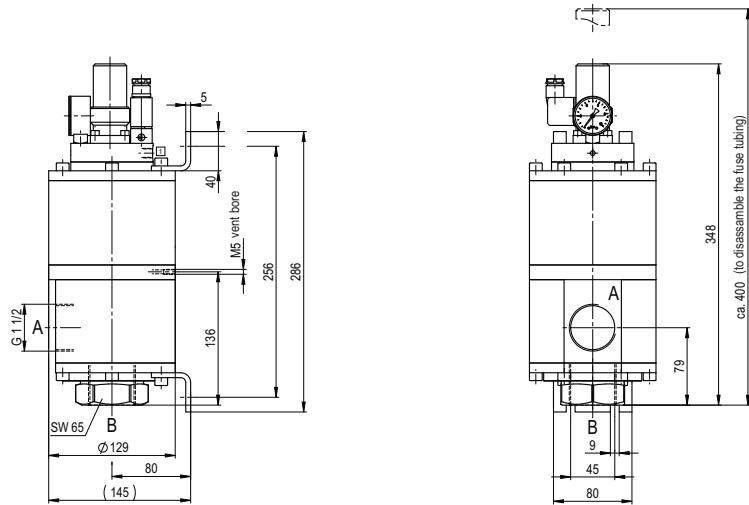
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 The valves' technical design is based on media and application requirements. This can lead to deviations from the general specifications shown on the data sheet with regards to the design, sealing materials and characteristics.

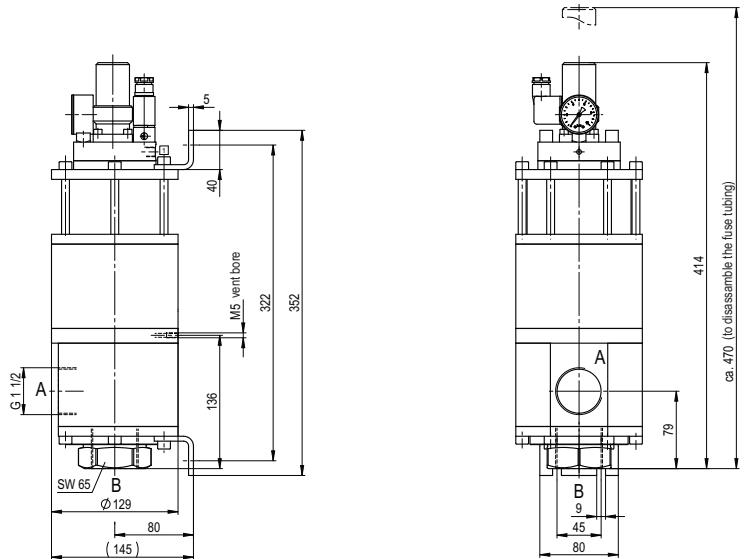
 If order or application specifications are incomplete or imprecise there exists a risk of an incorrect technical design of the valve for the required application. As a consequence, the physical and / or chemical properties of the materials or seals used, may not be suitable for the intended application.

■ specifications not highlighted are standard
specifications highlighted in grey are optional

type HPI-1 32



type HPI-2 32



actuation pressure-diagram

