

pressure reduction valve
 manual externally controlled
 orifice DN 8 - 32
 pressure range PN 0 - 200 bar
 ports threaded



(3-) HPI / HPP PC



specifications

design	externally controlled, with spring return
function	manual stepless pressure regulation
body materials	aluminium, brass, stainless steel
seal materials	NBR, PTFE, FPM, EPDM, special materials
media	gaseous, liquid, highly viscous, contaminated
control	via 3/2-way pilot valve during low pressure circulation mode, manual stepless pressure regulation
actuator ports	G 1/8
nominal voltage	DC 24 V / AC 230 V
electrical connection pilot valve	plug acc. DIN EN 175301-803 form B, LED
enclosure protection	IP 65
energized duty rating	ED 100 %
flow direction	A ⇒ B
options / accessories	valve body, approvals, mounting, special voltage, connector M12x1, two pressure regulator, pilot valve

technical data

co-ax type	orifice [mm]	ports threaded	ports flanged	pressure regulation range [bar]	Kv value max.	media temperature	ambient temperature	operating time [ms]
(3-) HPI 08	DN 8	G 3/8	-	10 - 200	1,3 m³/h	0 °C ... +60 °C	0 °C ... +50 °C	< 100
(3-) HPP-1 15 PC	DN 15	G 1/2 - G 3/4	-	5 - 40	6,0 m³/h	0 °C ... +60 °C	0 °C ... +50 °C	< 200
(3-) HPP-2 15 PC	DN 15	G 1/2 - G 3/4	-	5 - 80	6,0 m³/h	0 °C ... +60 °C	0 °C ... +50 °C	< 200
(3-) HPP-3 15 PC	DN 15	G 1/2 - G 3/4	-	5 - 100	6,0 m³/h	0 °C ... +60 °C	0 °C ... +50 °C	< 200
(3-) HPI-1 32	DN 32	G 1 1/2	-	5 - 40	24,3 m³/h	0 °C ... +60 °C	0 °C ... +50 °C	< 200
(3-) HPI-2 32	DN 32	G 1 1/2	-	5 - 100	24,3 m³/h	0 °C ... +60 °C	0 °C ... +50 °C	< 200

length

co-ax type	ports	standard	1 limit switch inductive	2 limit switches inductive	1 limit switch mechanical	manual override
(3-) HPI 08	thread	Ø 74 mm	-	-	-	via pilot valve
(3-) HPP-1 15 PC	thread	80 mm	-	-	-	via pilot valve
(3-) HPP-2 15 PC	thread	80 mm	-	-	-	via pilot valve
(3-) HPP-3 15 PC	thread	80 mm	-	-	-	via pilot valve
(3-) HPI-1 32	thread	Ø 129 mm	-	-	-	via pilot valve
(3-) HPI-2 32	thread	Ø 129 mm	-	-	-	via pilot valve



control

The valve's 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.