

**PIVOTING ADJUSTABLE  
AIR PADS**

**HPR HPC**  
*series*

**PNEUMOSTATIC PERFORMANCES**

## PNEUMOSTATIC PERFORMANCES **HPR Series**

MODEL	code	W [mm]	L [mm]	H [mm]	PIVOT thread	Supply Pressure p [bar]	Meatus h [μm]			LOAD (*) L [daN]			Stiffness (*) R [daN/μm]		Consumption Q [Nl/min]		Mass m [kg]
<b>HPR1.0</b>	F0101-00P010	20	45	13	M10×0,75	4	8	10	12	14 ±2	12 ±2	10 ±1	≥1	≥1	1,2	2,2	0,02
<b>HPR1.2</b>	F0101-00P020	25	50	13	M10×0,75	4	8	10	12	19 ±2	17 ±2	14 ±2	≥1	≥1,5	1,4	2,4	0,04
<b>HPR1.4</b>	F0101-00P030	30	60	13	M10×0,75	4	8	10	12	24 ±2	21 ±2	17 ±2	≥2	≥2	1,5	2,6	0,05
<b>HPR2.0</b>	F0101-00P040	30	68	15	M12×1	4	8	10	12	32 ±3	26 ±2	21 ±3	≥3	≥2,5	2,3	3,5	0,08
<b>HPR2.2</b>	F0101-00P050	35	70	15	M12×1	4	8	10	12	46 ±3	38 ±3	32 ±3	≥4,5	≥4	2,4	3,6	0,10
<b>HPR2.4</b>	F0101-00P060	40	80	15	M12×1	4	8	10	12	62 ±4	53 ±4	43 ±3	≥5	≥5	2,5	3,7	0,10
<b>HPR2.6</b>	F0101-00P070	40	90	15	M12×1	4	8	10	12	68 ±4	58 ±4	49 ±3	≥5	≥5	2,7	3,8	0,13
<b>HPR2.8</b>	F0101-00P080	50	90	15	M12×1	4	8	10	12	92 ±5	78 ±5	68 ±4	≥7	≥6	2,8	3,9	0,17
<b>HPR3.0</b>	F0101-00P090	50	100	19	M16×1,5	4	8	10	12	101 ±6	86 ±5	75 ±5	≥8	≥7	2,6	3,8	0,22
<b>HPR3.2</b>	F0101-00P100	50	110	19	M16×1,5	4	8	10	12	110 ±6	96 ±6	84 ±5	≥8	≥7	2,7	4,0	0,25
<b>HPR3.4</b>	F0101-00P110	60	120	19	M16×1,5	4	8	10	12	142 ±8	118 ±7	98 ±6	≥13	≥10	2,9	4,3	0,36
<b>HPR3.6</b>	F0101-00P120	70	140	25	M16×1,5	4	8	10	12	190 ±10	152 ±8	118 ±7	≥19	≥17	3,2	4,6	0,66
<b>HPR3.8</b>	F0101-00P130	70	154	25	M16×1,5	4	8	10	12	206 ±11	168 ±9	134 ±7	≥19	≥17	3,5	4,9	0,78
<b>HPR4.0</b>	F0101-00P140	80	155	27	M25×1,5	4	8	10	12	236 ±12	198 ±11	163 ±9	≥22	≥18	4,6	5,8	0,83
<b>HPR4.2</b>	F0101-00P150	85	186	27	M25×1,5	4	8	10	12	290 ±15	252 ±13	219 ±12	≥18	≥16	5,0	6,4	1,15
<b>HPR4.4</b>	F0101-00P160	90	180	30	M25×1,5	4	8	10	12	320 ±16	268 ±14	218 ±11	≥25	≥22	5,5	7,0	1,31
<b>HPR4.6</b>	F0101-00P170	100	205	35	M25×1,5	4	8	10	12	430 ±22	372 ±19	312 ±16	≥29	≥30	6,1	7,6	1,93
<b>HPR5.0</b>	F0101-00P180	100	224	38	M30×1,5	4	8	10	12	482 ±24	426 ±21	366 ±19	≥28	≥30	6,6	8,3	2,20
<b>HPR5.2</b>	F0101-00P190	115	230	40	M30×1,5	4	8	10	12	564 ±28	496 ±25	428 ±22	≥34	≥34	7,2	9,0	2,85
<b>HPR5.4</b>	F0101-00P200	115	254	45	M30×1,5	4	8	10	12	710 ±35	665 ±33	600 ±30	≥26	≥31	7,8	9,8	3,50
<b>HPR5.6</b>	F0101-00P210	130	265	50	M30×1,5	4	8	10	12	725 ±36	632 ±31	536 ±27	≥47	≥48	8,5	10,7	4,50

(\*) Other calibrations with different load and stiffness by request

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MODEL	code	Ø [mm]	H [mm]	PIVOT thread	Supply Pressure $p$ [bar]	Meatus $h$ [μm]			LOAD (*) $L$ [daN]			Stiffness (*) $R$ [daN/μm]		Consumption $Q$ [Nl/min]		Mass $m$ [kg]
<b>HPC1.0</b>	F0102-00P010	40	13	M10×0,75	4	8	10	12	25 ±2	21 ±2	17 ±2	2	2	2,1	3,4	0,04
<b>HPC1.2</b>	F0102-00P020	50	13	M10×0,75	4	8	10	12	39 ±3	33 ±3	27 ±2	3	3	2,2	3,5	0,06
<b>HPC2.0</b>	F0102-00P030	60	16	M12×1	4	8	10	12	62 ±4	52 ±3	44 ±3	5	4	2,3	3,5	0,10
<b>HPC2.2</b>	F0102-00P040	70	16	M12×1	4	8	10	12	83 ±5	68 ±4	56 ±4	8	6	2,4	3,6	0,17
<b>HPC2.4</b>	F0102-00P050	75	19	M12×1	4	8	10	12	96 ±6	78 ±5	64 ±4	9	7	2,6	3,8	0,20
<b>HPC2.6</b>	F0102-00P060	80	19	M12×1	4	8	10	12	109 ±6	89 ±5	72 ±4	9	7	2,9	4,1	0,20
<b>HPC3.0</b>	F0102-00P070	90	22	M16×1,5	4	8	10	12	152 ±8	117 ±6	90 ±5	12,5	11,5	3,3	4,3	0,34
<b>HPC3.2</b>	F0102-00P080	100	23	M16×1,5	4	8	10	12	193 ±10	168 ±9	142 ±7	13	12	3,9	4,9	0,48
<b>HPC3.4</b>	F0102-00P090	110	25	M16×1,5	4	8	10	12	234 ±12	202 ±10	172 ±9	16	15	4,6	5,8	0,58
<b>HPC4.0</b>	F0102-00P100	130	30	M25×1,5	4	8	10	12	310 ±16	260 ±13	212 ±11	25	24	5,6	7,4	0,96
<b>HPC4.2</b>	F0102-00P110	160	35	M25×1,5	4	8	10	12	510 ±26	450 ±23	388 ±19	30	31	6,7	8,6	1,73
<b>HPC4.4</b>	F0102-00P120	190	40	M25×1,5	4	8	10	12	700 ±35	620 ±31	538 ±27	40	41	7,8	9,8	2,90

(\*) Other calibrations with different load and stiffness by request