



Plunger **Metering Pump Spring Return** 

**RH** pump is the fifth of the five sizes of the "R" series:

RBE, RB, RCA, RC, RH.

Equipped with standard motor size 71, Frame B5.

Stroke: 25mm Motor:

Threephase 0,37 kW - 230/400 V - 50 Hz - 4 Poles - IP55 - CL F - IEC38

Max flow rate: 620 L/h Pump: single Cast iron casing

## **CONSTRUCTION CHARACTERISTICS**

## ■ Mechanism:

The mechanism and the reduction gear are enclosed in an cast iron casing, with oil-bath lubrication.

The mechanism is of the cam/disc type, with spring return stroke, and of simple, sturdy, compact construction.

The head holder is made of cast iron .

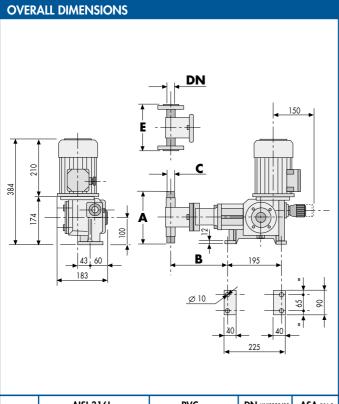
- The cam is keyed on the pump shaft. Cam and disc are made of hardened steel.
- Smooth flow rate adjustment by control knob, either with pump in motion or stationary.
- 1,5 metres max suction lift.

TECHNICAL DATA										
TYPE	STROKE/m	FLOW RATE L/h	M	AX PRES	SS.	CONNECTIONS				
				bar		THREADED	FLAN	FLANGED		
			Α	A TL	Р	g.f./BSPF	UNI	ANSI		
RH 20	63 86 104	28 38 47	10	40		3/8" g.f./ <i>BSPF</i>	15	1/2″		
RH 25	63 86 104	44 60 75	10	40 35 30	10	3/8" g.f./ <i>BSPF</i>	15	1/2″		
RH 30	63 86 104	64 86 110	10	32 23 20	10	3/8" g.f./ <i>BSPF</i>	15	1/2″		
RH 40	63 86 104	113 155 200	10	17 12 -	10	1/2" g.f./ <i>BSPF</i>	15	1/2″		
RH 50	63 86 104	176 240 300	10 8 7		10 8 7		20	3/4"		
RH 65	63 86 104	300 410 500	7 5 4		7 5 4		25	1″		
RH 80	63 86	420 620	5 3,5				25	1″		

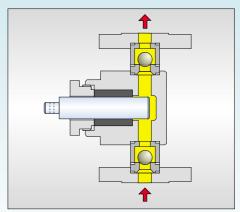
## RH

## **PUMP HEADS**

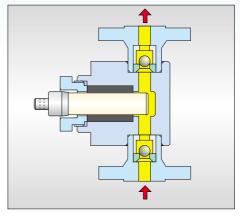
- Execution with double-ball valves, up to 110 L/h; for higher flow rates, single -ball valves.
- Plunger seal rings are of the automatic type, with "**V**" section, and made of reinforced teflon. The compression of the seal rings is obtained by means of a packing gland.
- Suction and discharge connections, up to 200 L/h, can be threaded or flanged; for higher flow rates, only flanged.
- The standard materials are listed in the table. Executions in special materials can be supplied on request.
- Minimum NPSH required: 8,5 m in optimum installation conditions.
- Max. temperature of metered liquid:
- with stainless steel heads: 90°C
- with stainless steel heads and ceramic piston: 90°C
- with PVC heads: 40°C
   with PVDF heads: 70°C



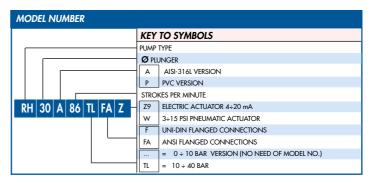
TYPE	AISI 316L						PVC						<b>DN</b> UNI2223/29		<b>ASA</b> 816,5		
1111	Α	<b>Α</b> dv	В	Вть	С	Е	Edv	Α	<b>A</b> dγ	В	С	E	Edv	AISI PN40	PVC PN10	AISI 150RF	PVC 150RF
RH 20		143	195	225	g.f./BSPF		120	÷	215	185	3SPF	-	162	15	15	1/2″	1/2″
RH 25		143	195	225	g.f.//	-	120	-	215	185	g.f./BSPF	-	162	15	15	1/2″	1/2″
RH 30	-	156	195	225	3/8"		135		215	185	3/8	-	176	15	15	1/2″	1/2″
RH 40	123	195	195	-	1/2" g.f./BSPF	143	163	216	245	185	1/2" g.f./BSPF	176	205	15	15	1/2″	1/2″
RH 50		-	200	-	-	160	230		-	190		225	268	20	20	3/4"	3/4"
RH 65	-	-	200	-		196	276	-	-	195		230	288	25	25	1″	1″
RH 80	-	-	210	-	-	212				-		-	-	25	25	1″	1″



Inox steel head.
"A" execution.
Flanged connections.



PVC head .
"P" execution.
Flanged connections.





Pump type RH65AZ92 with AISI 316L head. Flanged connections.

MATERIALS OF CONSTRUCTION										
PARTS	A-ATL	P	AC	ACV	Н					
HEAD BODY	AISI-316L	PVC	AISI-316L	AISI-316L	AISI-316L					
PLUNGER	AISI-316L	CERAMIC	CERAMIC	CERAMIC	CERAMIC					
PACKING	PTFE	PTFE	PTFE	VULKOLLAN	PTFE					
VALVE SEAT	AISI-316L	PVC	AISI-316L	AISI-316L	INCOLOY825					
VALVE	AISI-316L	PIREX/PYREX	AISI-316L	AISI-316L	CARPENTER 20					
VALVE SEAL	FPM	FPM	FPM	FPM	FPM					