HT Series – High Temperature Technology

INTERPUMP GROUP'S NEW PUMP LINE FOR CAR WASH AND INDUSTRIAL APPLICATIONS UP TO 85°C (185° F)



HT Series – High Temperature Technology

60 – 63 – 47 – 66 - 69 – 70 – 71 SERIES



Pumps designed by the R&D Center INTERPUMP ENGINEERING

WIDE RANGE OF MODELS FOR CAR WASH AND INDUSTRIAL APPLICATIONS

60 HT Series

FOR WASHING SYSTEMS IN FOOD INDUSTRY AND IN FLOOR CARE (HARD SURFACES AND CARPETS)



- Super Compact Professional
- HT Technology
- High temperature (up to 85°C)

TWO MODELS

- 7 to 10 l/min.
- Perfect for small self-service systems

63 HT Series



PERFECT FOR SELF-SERVICE

- **Compact professional**
- **HT Technology**
- **High temperature (up to 85°C)**

THREE MODELS

- **11 to 15 l/min.**

47 HT Series



TOP QUALITY FOR SELF SERVICE

- **High reliability**
- **Heavy duty cycles**
- **HT Technology**
- **High temperature (up to 85°C)**

<u>FOUR MODELS</u>

- **10 to 23 l/min.**
- **Perfect for self-service systems**

66 HT Series



TOP QUALITY FOR CONVEYORS AND MULTIPLE GUN APPLICATIONS

- **HT Technology**
- **Heavy duty cycles**
- **High temperature (up to 85°C)**
- **Industrial use**

<u>THREE MODELS</u>

- **15 to 46 l/min.**
- **Pressure up to 250 bar**

69 HT Series



TOP QUALITY

FOR CONVEYORS/TUNNELS

- **HT Technology**
- **Heavy duty cycles**
- **High temperature (up to 85°C)**
- **Industrial use**

ONE MODEL

HT 6968

1000 R.P.M.

68 l/min.

70 HT Series



TOP QUALITY

FOR CONVEYORS/TUNNELS

- **HT Technology**
- **Heavy duty cycles**
- **High temperature (up to 85°C)**
- **Industrial use**

ONE MODEL

HT 7095

1350 R.P.M.

95 l/min.

71 HT SERIES



TOP QUALITY

FOR CONVEYORS/TUNNELS

- **HT Technology**
- **Heavy duty cycles**
- **High temperature (up to 85°C)**
- **Industrial Use**

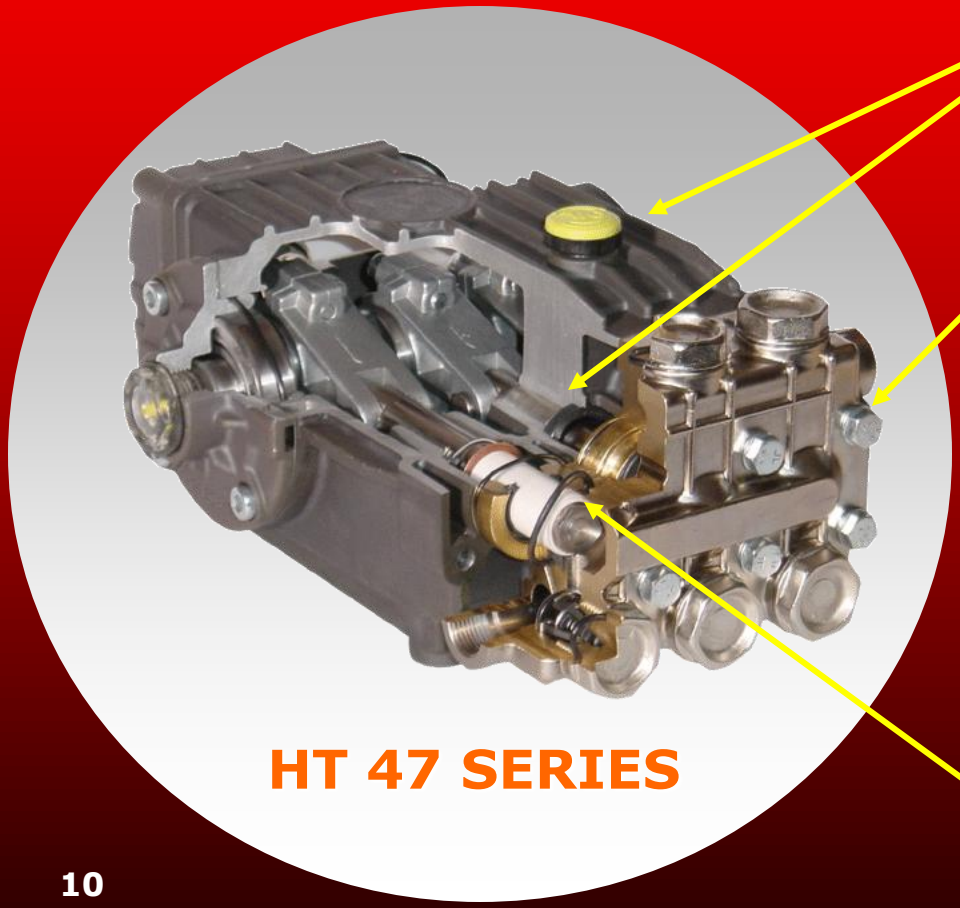
ONE MODEL

HT 71150

1000 R.P.M.

188 l/min.

Technical improvements



HT 47 SERIES

PREMIUM OIL SEALS

- On shaft and piston guides

MANIFOLD NICKEL PLATED ON ALL SURFACES

- Extra thick plating
- Corrosion resistant

HARDER VALVE SEAT

- Helps cavitation control

22 MM. CERAMIC PLUNGER

- Reduces risks of cracking due to thermal shock

Technical improvements



HT 47 SERIES

RIBBED CRANKCASE

- Improves cooling

PREMIUM PERFORMANCE TAPER ROLLER BEARINGS

DUAL OIL SIGHT GLASS (rear and side)

NICKEL PLATED VALVE PLUGS

- Extra thick plating
- Corrosion resistant

HT – HIGH TEMPERATURE (85°C)

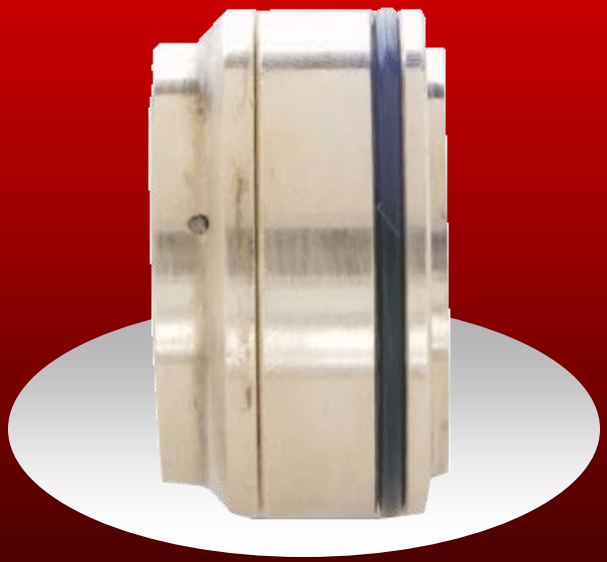
Special materials for seals and valves

HT – HIGH TECH

Special solutions to reduce friction

New technology in hydraulic parts

New Technology

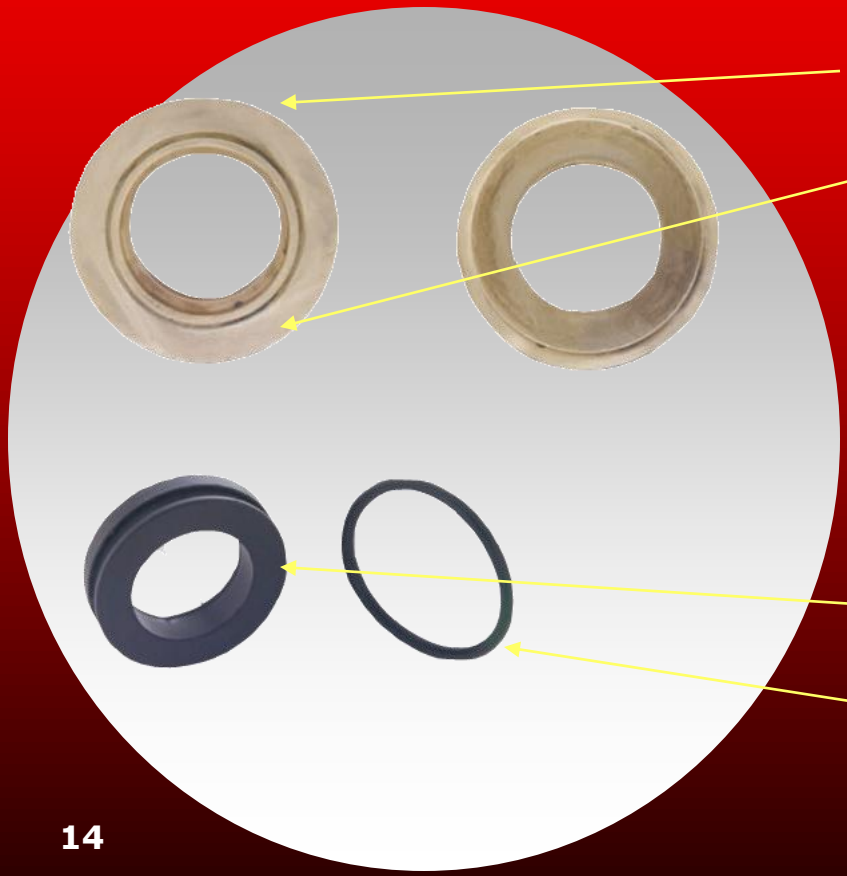


NEW SEAL PACK

- HT Technology

- Special on all HT Series pumps
  - High pressure seal
  - Intermediate ring
  - Low pressure seal
  - Packing retainer

High Temperature (85°C)



INTERMEDIATE RING

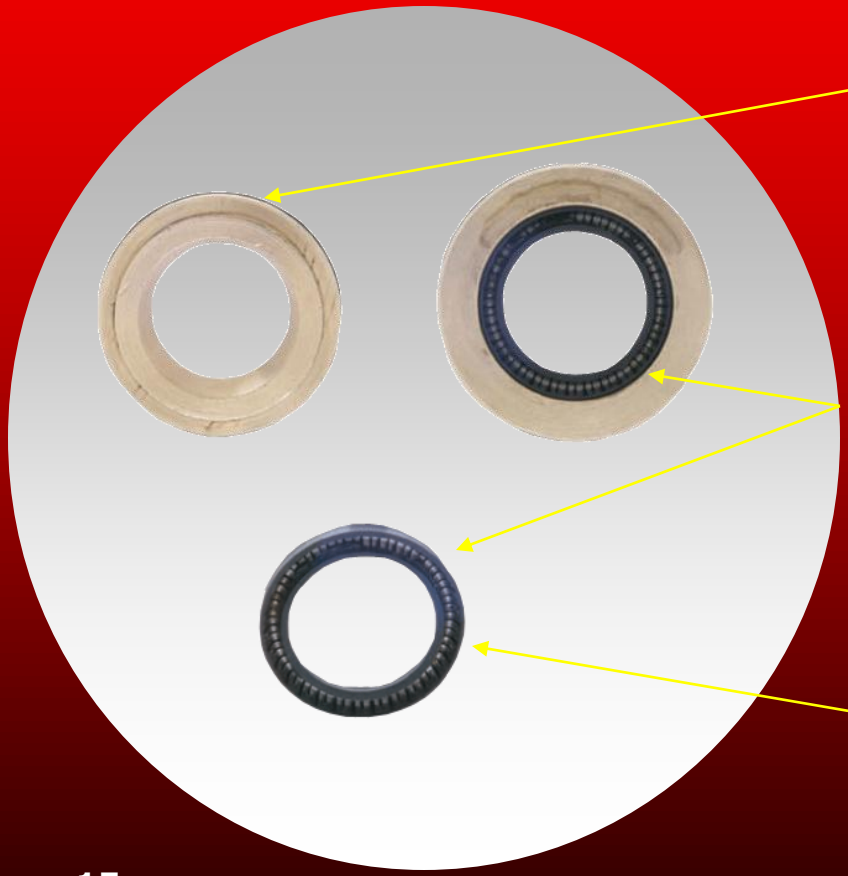
- Improves the containment of the low pressure seal

- Optimizes the efficiency of the low pressure seal in the suction phase

HIGH PRESSURE SEAL

- Special compound
  - . PTFE (Teflon®) and graphite
  - . Energized stainless steel spring
  - . EPDM O-ring

High Temperature (85°C)



PACKING RETAINER

- The tapered machining reduces friction with the piston (47 HT Series)

LOW PRESSURE SEAL

- Special compound
  - . PTFE (Teflon®) and graphite
  - . Reduces friction
- Energized stainless steel spring
  - . Prevents deformation
- "U" seal

High Temperature(85°C)



INTAKE/DELIVERY VALVES

VALVE GUIDE

- New 6-ribs structure
  - . Stronger
  - . Resistant to high temperature
- New material for high temperature (85°C)

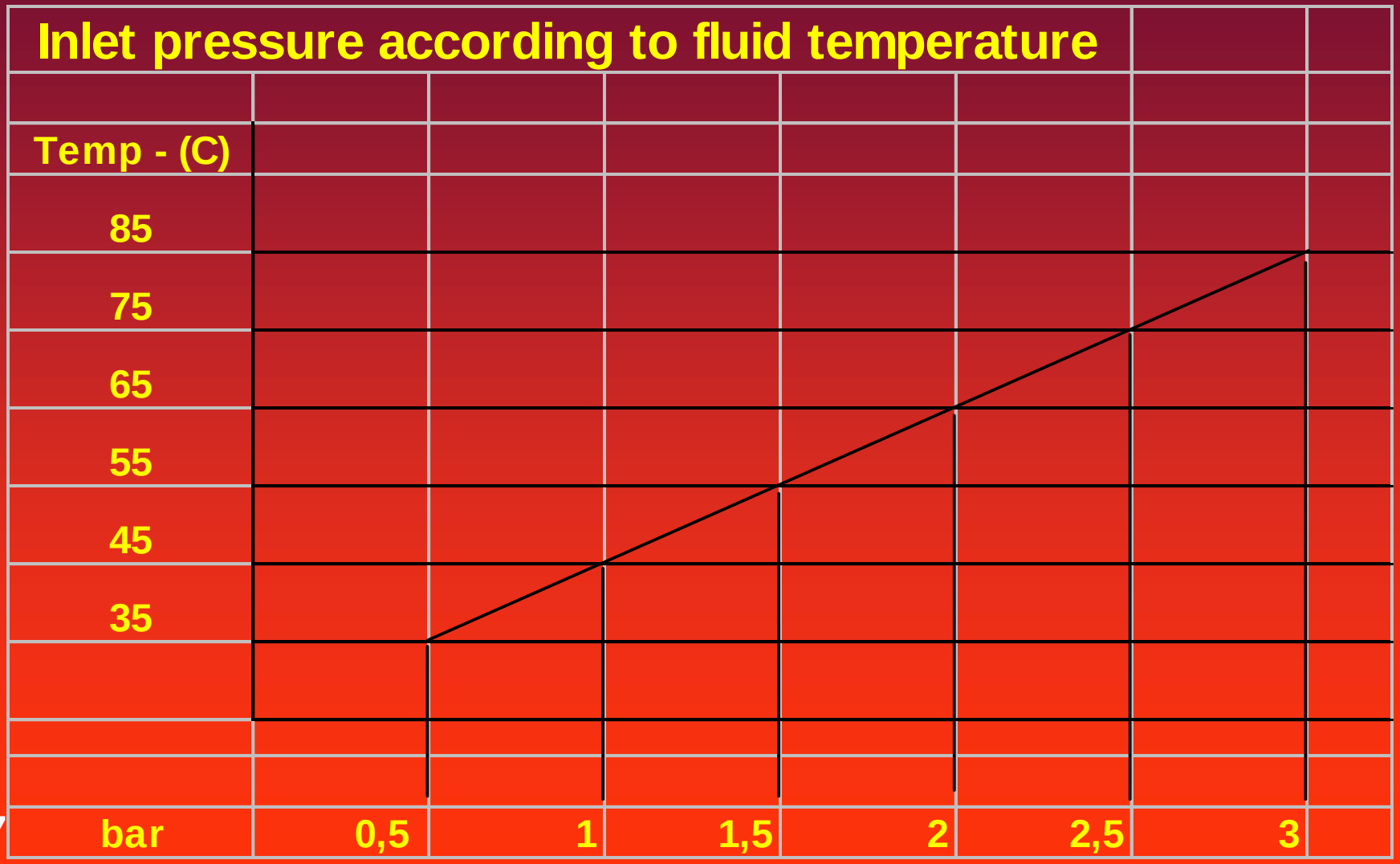
SPECIAL O-RING (HT 47)

- Easy assembly
- Better seal

SUPPORT RING IN PTFE (TEFLON ®) AND BRONZE

HT Series – High Temperature Technology

Inlet pressure according to fluid temperature



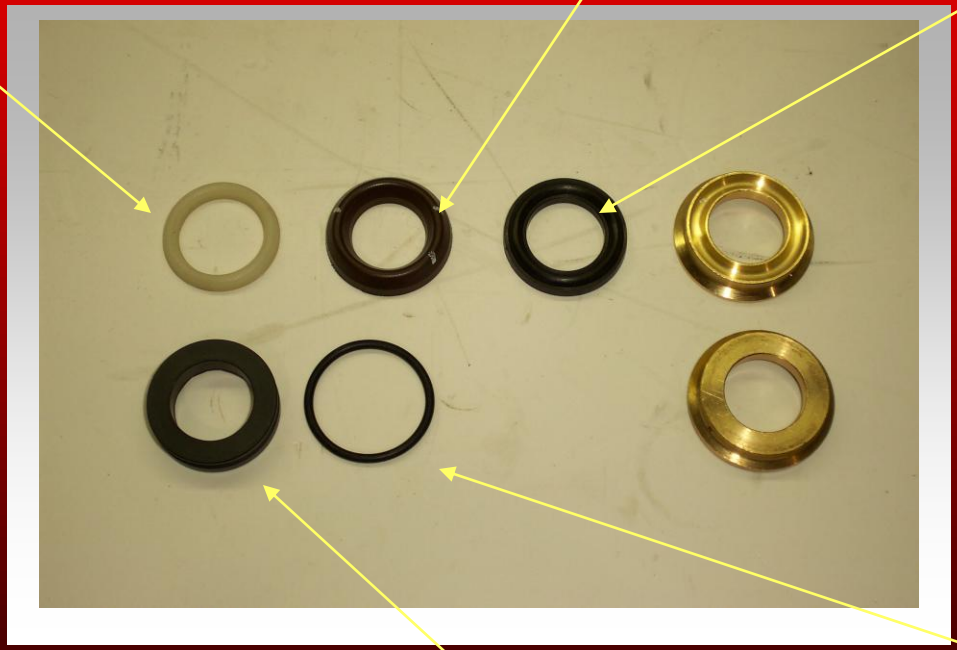
High pressure seal

- comparison -

STANDARD TYPE:
Plastic head ring

Rubberized fabric V-seal

Restop Ring



NEW TYPE :

Seal in PTFE (TEFLON®) with precharge spring

EPDM O-ring

Low pressure seal

- comparison -

<u>Standard type</u>:
Rubber ring

V support ring
in rubberized fabric



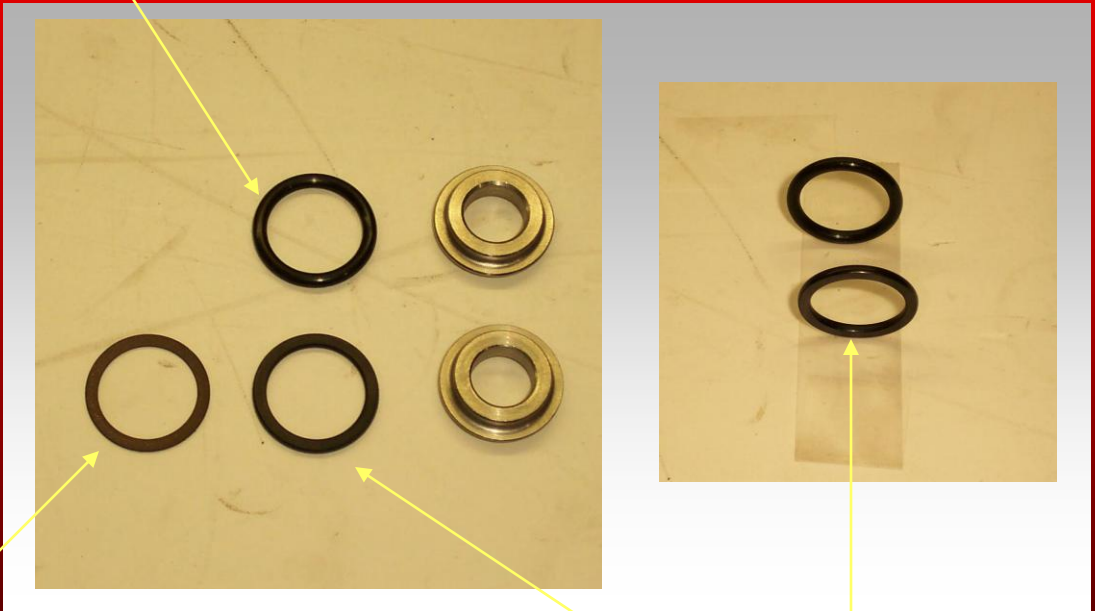
<u>NEW TYPE</u> :

Seal in PTFE (TEFLON®)
with precharge spring

Valve seal - comparison

Standard type : Standard O-ring

HT 47



New type:

Support ring in PTFE (Teflon ®) and bronze

Specially shaped O-ring

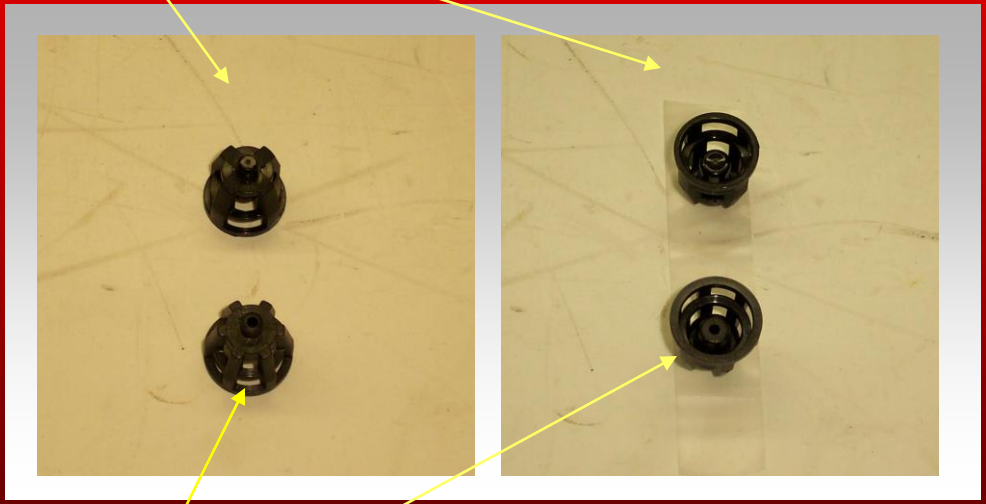
Valve Cage - Comparison

Standard type: Valve cage with 4 ribs

HT 63

HT 47

HT 66



New type:

- Valve cage with 6 ribs
- Special Material for high temperatures

HT SERIES – Features and advantages

NEW SEAL PACK AND NEW VALVES
"PREMIUM" TAPER ROLLER BEARINGS
NICKEL PLATED MANIFOLD AND VALVE CAPS

- Maximum reliability at high temperature (85°C)
- Longer durability in case of abnormal dry running
- The seals with the longest life on the market
- Very high resistance to corrosion
- Significant reduction of maintenance

THE RANGE

	Pump type / Type de pompe / Pumpentype / Tipo de bomba / Tipo di pompa	Flow rate l/min.	Flow rate G.P.M. (U.S.A.)	Max. pressure bar	Max. pressure p.s.i.	r.p.m. tr./min. u.p.m. r/min. g./min.	Power kW	Power hp	Weight kg	Dimensions mm
60.HT series	HT6007	7	1.85	150	2175	1450	2,00	2,72	6,05	193,5x202,5x125
	HT6008	8	2.11	150	2175	1450	2,29	3,12	6,05	193,5x202,5x125
		10	*2.64*	*150*	*2175*	*1750*	*2,86*	*3,90*		
63.HT series	HT6311	11	2.9	140	2030	1450	2,94	4	8,15	213,5x211x119,5
	HT6313	13	3.43	170	2465		4,04	5,5		
	HT6315	15	3.96	140	2030	1750	4,04	5,5	8,15	213,5x211x119,5
47.HT series	HT4715	15	3.96	160	2320	1450	4,56	6,2	14,5	315,5x254,5x146
		10	*2.64*	*160*	*2320*	*950*	*3,05*	*4,15*		
	HT4718	18	4.75	160	2320	1450	5,51	7,5		
		12	*3.17*	*160*	*2320*	*950*	*3,67*	*4,99*		
	HT4721	21	5.55	140	2030	1450	5,51	7,5		
		17	*4.5*	*160*	*2320*	*1200*	*5,15*	*7*		
		13	*3.43*	*160*	*2320*	*950*	*3,97*	*5,4*		
	HT4723	23	6.07	160	2320	1450	7,35	10		
		19	*5*	*160*	*2320*	*1200*	*5,8*	*7,9*		
		15	*3.96*	*160*	*2320*	*950*	*4,58*	*6,23*		
66.HT series	HT6628	28	7.4	250	3600	1750	13,38	18,2	18,5	340,5x248,5x159,5
		19	*5*	*250*	*3600*	*1200*	*9,07*	*12,33*		
		15	*3.96*	*250*	*3600*	*950*	*7,35*	*10*		
	HT6639	39	10.3	200	2900	1750	14,7	20		
		32	*8.45*	*200*	*2900*	*1450*	*12,2*	*16,6*		
	HT6646	46	12.15	170	2465	1750	14,7	20		
		38	*10.04*	*200*	*2900*	*1450*	*14,51*	*19,74*		
69.HT series	HT6968	68	18	80	1160	1000	11,02	15	25,8	360x300x210
70.HT series	HT 7095	95	25.0	70	1015	1350	12,7	17,3	37	387x340,5x196
		81	*21.4*	*85*	*1230*	*1150*	*13,2*	*17,9*		
		67	*17.7*	*90*	*1300*	*950*	*11,5*	*15,7*		
71.HT series	HT 71150	150	39.6	85	1230	800	24,3	33,1	73	526x367x252,5
		188	*49.5*	*85*	*1230*	*1000*	*30,5*	*41,5*		

Technical specifications are indicative and subject to change without notice.