

CATÁLOGO

BOMBAS A ENGRANAJES/gear pumps

Grupo1: G1- B



G1- B

L/MIN
(a 2000 RPM)

40

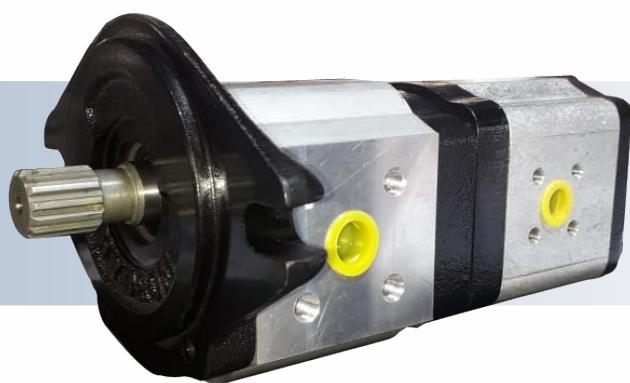
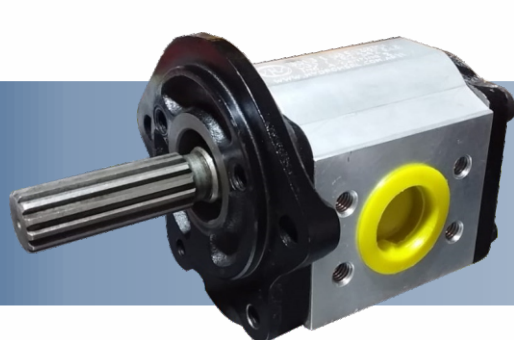
50

60

70



HYDROM
OLEODINÁMICA SRL.

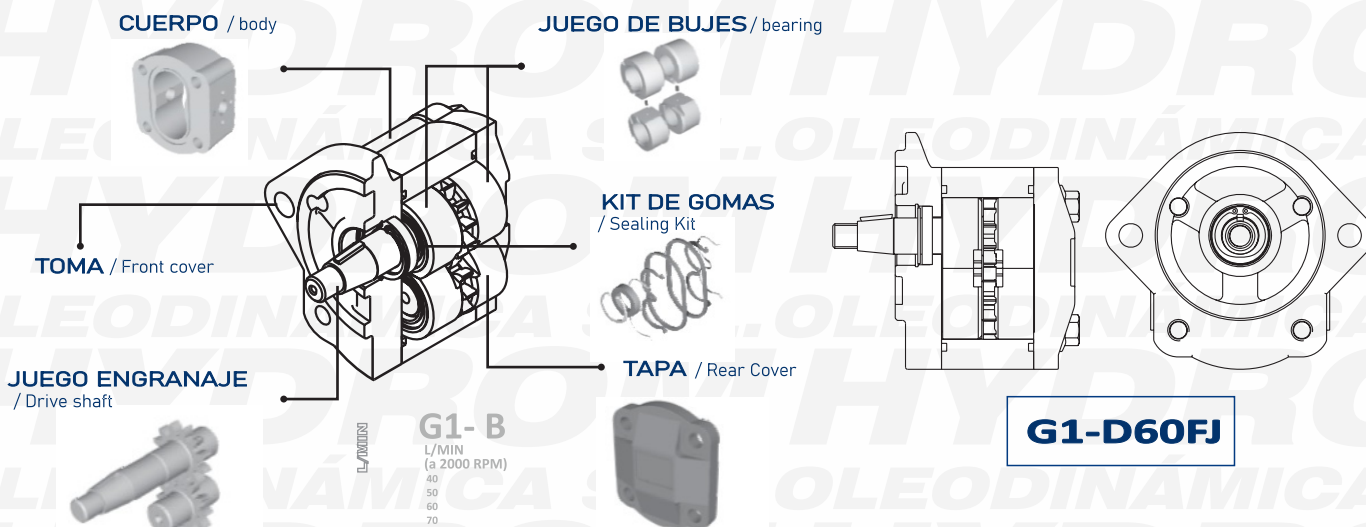


www.hydromsrl.com.ar



REPRESENTACIÓN ESQUEMÁTICA / schematic representation

Bomba G1- B



CÓDIGO DE PEDIDO/ order code



Características / Characteristics

VOLUMEN GEOMÉTRICO / Displacement

cm ³ / revoluciones /cm ³ /rev	20	25	30	35
Caudal l/min (a 2000 RPM) /L/min	40	50	60	75
Presión máx. continua /Max.continuous pressure	230	230	190	160
Presión max. intermitente /Max. intermittent pressure	250	250	240	180
Max. Pico de Presión /Max. Peak pressure	270	270	260	200
Velocidad de rotación mínima 100 a 180 Bar /Minimum speed from 100 to 180 Bar	600	600	600	600
Velocidad de rotación mínima a 180 Bar /Minimum speed from 180 Bar	800	800	800	800
Máx. Velocidad de rotación (a presión p ₂) /Minimum speed	3000	3000	2800	2800

Presión de aspiración máxima/ Max. inlet pressure: 1,5 BAR (no se mide en producción solo en estudio)

Presión de aspiración negativa/ Negative inlet pressure: 0,25 BAR (no se mide en producción solo en estudio)

Temperatura del aceite/ Oil Temperature: 15°C a 75°C

Aceite/ Oil type: Tipo HYD 68 segun ISO 68 ANP 1377 Recomendado:

Filtración Mínima/ minimal filtration: ISO 4406

Obtenido con Filtro $\beta_{10=75}$ 18/16/14

Viscosidad Recomendada/ Recommended viscosity: 20-100 mm 2/5

Viscosidad mínima admisible al inicio/ Min. admissible starting viscosity: 20 Cst.

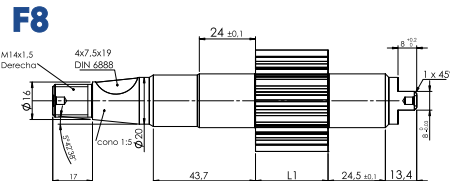
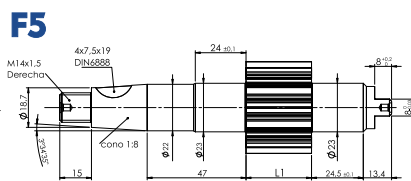
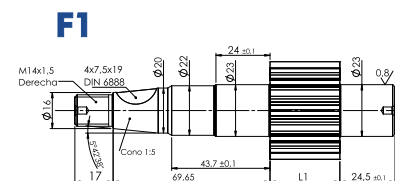
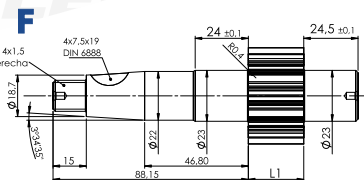
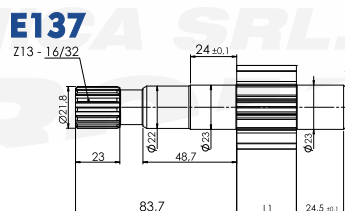
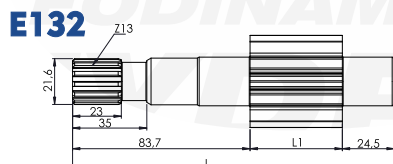
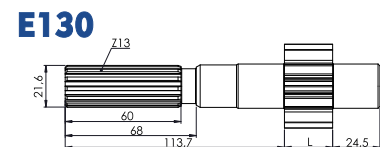
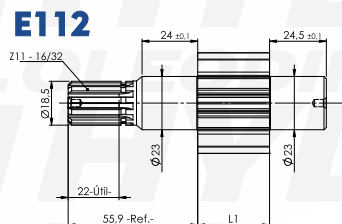
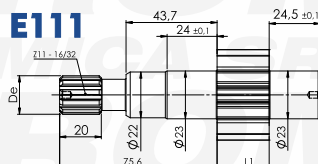
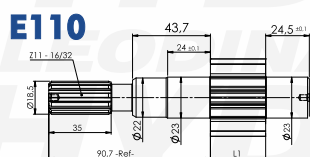
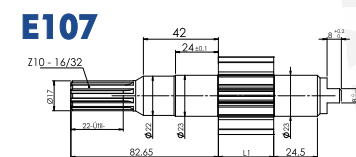
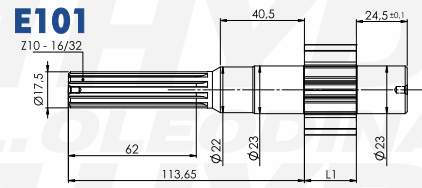
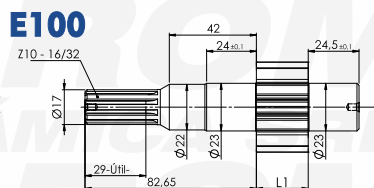
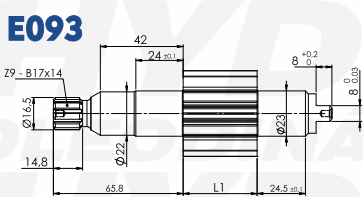
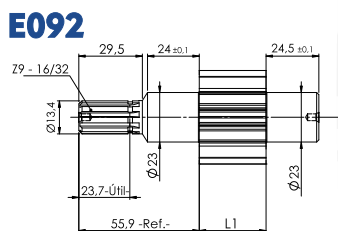
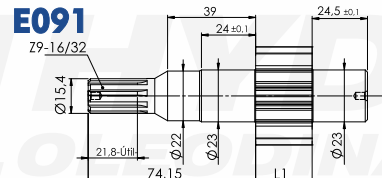
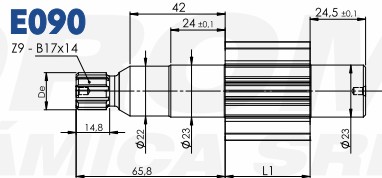
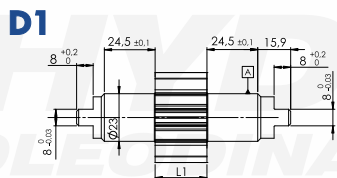
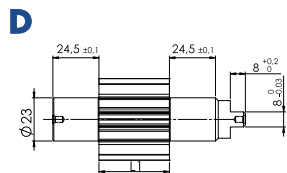
Viscosidad normal a temp. de trabajo/ Normal viscosity at working t_º: 38- 76 Cst

Rendimiento Volumétrico/ Volumetric efficiency:

(con aceite viscosidad 32 Cst a 20 BAR: 98% A 200 BAR 96%

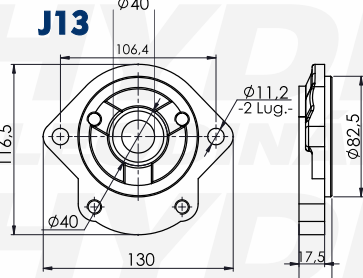
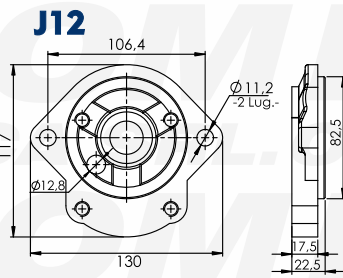
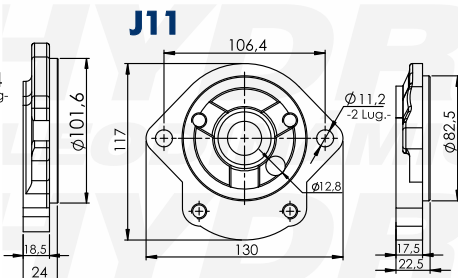
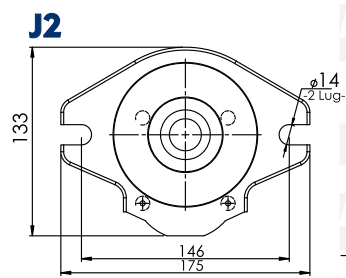
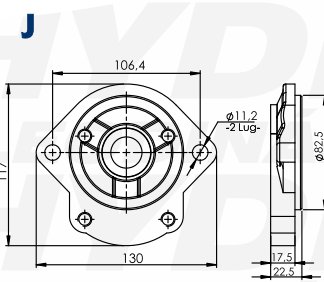
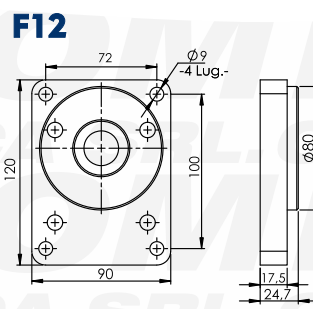
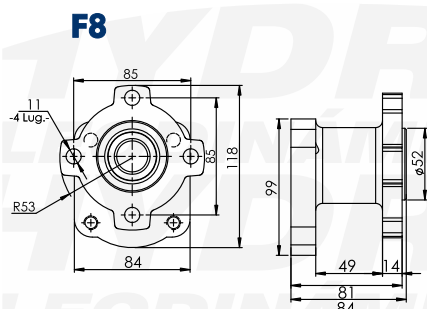
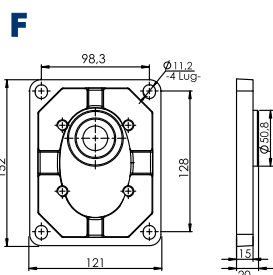
Rendimiento Mecánico/ Mechanical efficiency: 97% a 200 BAR

Rendimiento Total/ Total efficiency: 93 %



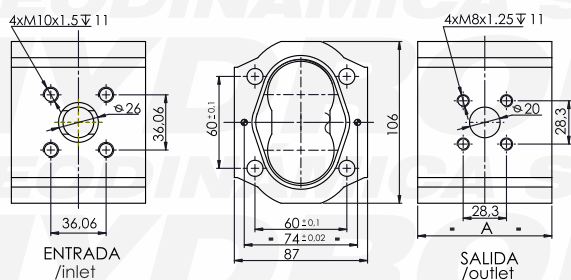
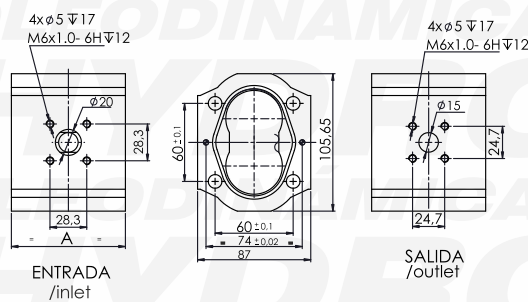
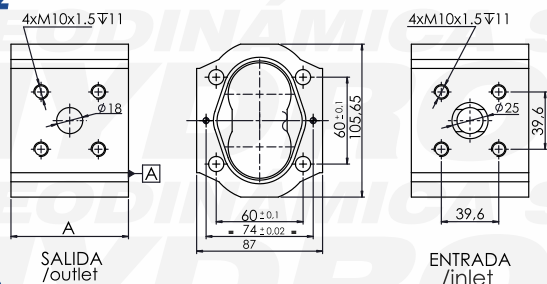
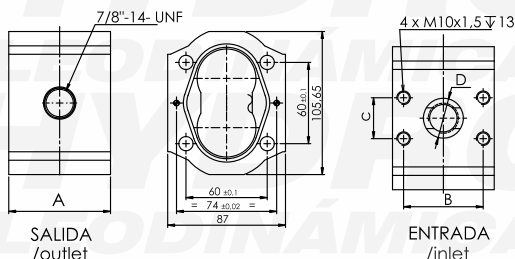
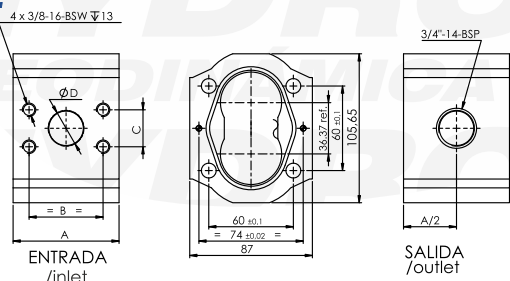
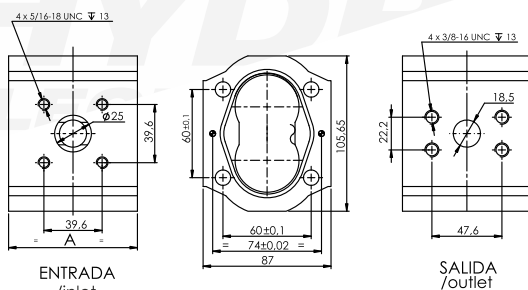
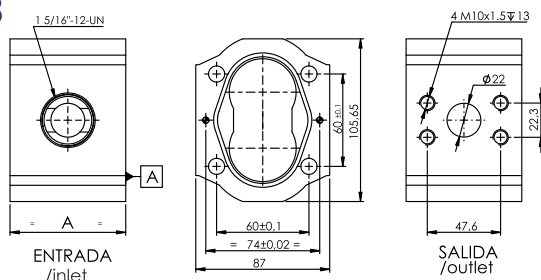
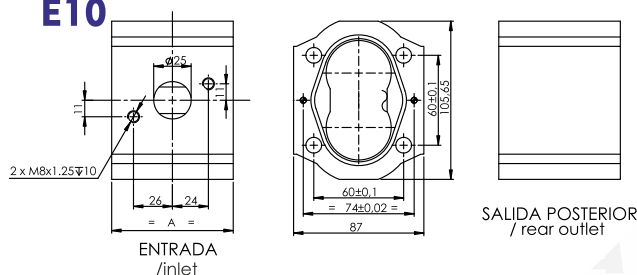
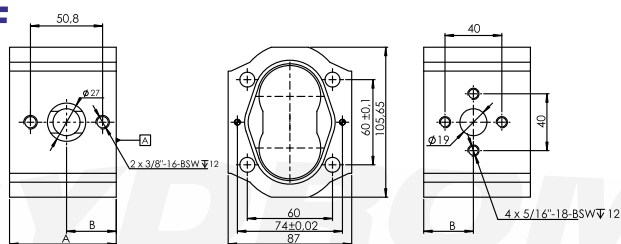
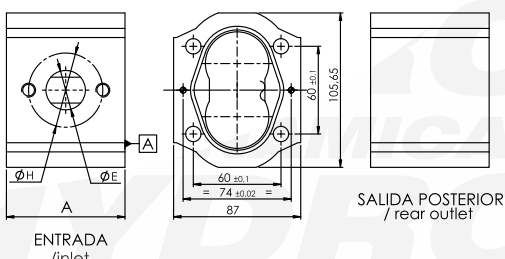
L (m)	A (mm)
40	25
50	31
60	37,5
70	43,5

TOMAS/ Front Covers



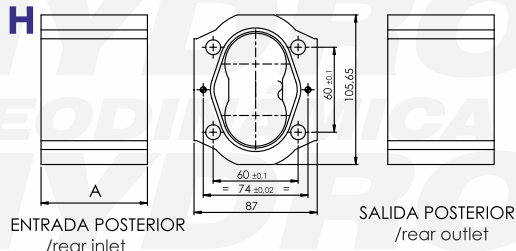
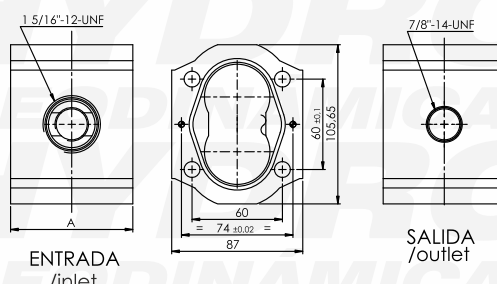
Bomba izquierda sin retén succión por la toma

Bomba derecha sin retén succión por la toma

D**D2****D12****E****E2****E4****E8****E10****F****F1**

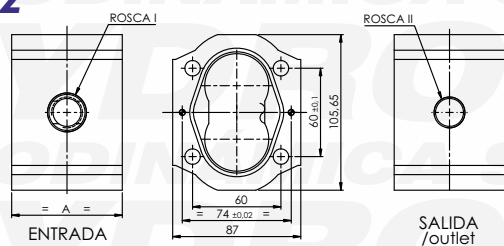
Código	Caudal [l/min]	A _{0.02} [mm]	B _{±0.1} [mm]
1.000.963.044	40	75.15	35
1.000.963.045	50	81.15	40.58
1.000.963.046	60	87.65	43.83
1.000.963.047	70	93.65	46.83

Código	Caudal [l/min]	A _{0.02} [mm]	Ø E [mm]	Ø H [mm]	Rosca
1.000.963.264	40	75.15	22	40	(Ø6.75-18) M8x1.25 13
1.000.963.265	50	81.15	27	50.8	(Ø8-16) 3/8"-16 BSW 15
1.000.963.266	60	87.65	27	50.8	(Ø8-16) 3/8"-16 BSW 15
1.000.963.267	70	93.65	27	50.8	(Ø8-16) 3/8"-16 BSW 15

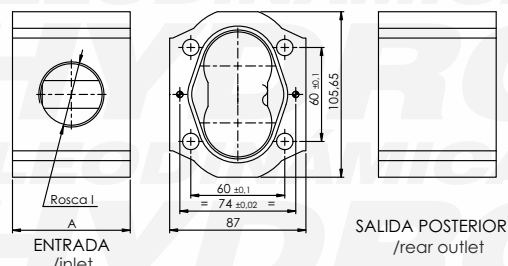
H**J**

Código	Caudal [l/min]	COTA A _{±0.02} [mm]
1.000.963.044	40	75.15
1.000.963.045	50	81.15
1.000.963.046	60	87.65
1.000.963.047	70	93.65

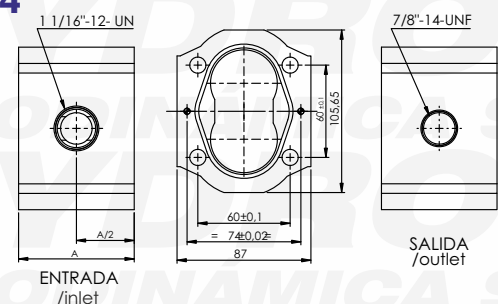
Código	Caudal [l/min]	COTA A _{±0.02} [mm]
1.000.963.034	40	75.15
1.000.963.035	50	81.15
1.000.963.036	60	87.65
1.000.963.037	70	93.65

J2

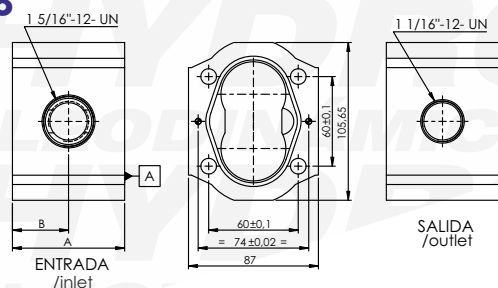
Código	Caudal [l/min]	COTA A $^{+0}_{-0.02}$	Rosca I	Rosca II
1.000.963.094	40	75,15	(Ø24,5)1/4"-14 BSP ∇ 18	(Ø19)1/2"-14 BSP ∇ 16
1.000.963.095	50	81,15	(Ø30,5)1 1/4"-11 BSP ∇ 20	(Ø19)1/2"-14 BSP ∇ 16

J3

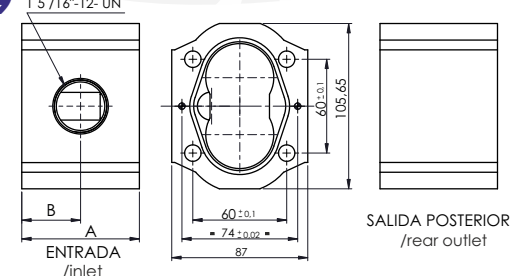
Código	Caudal [l/min]	A $^{+0}_{-0.02}$	Rosca I
1.000.963.054	40	75,15	1"-11 1/2hpp NPT
1.000.963.055	50	81,15	
1.000.963.056	60	87,65	
1.000.963.057	70	93,65	

J4

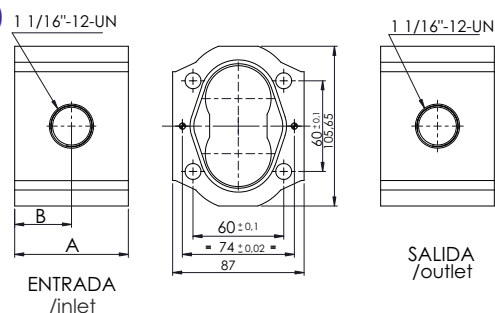
Código	Caudal [l/min]	COTA A $^{+0}_{-0.02}$
1.000.963.174	40	75,15
1.000.963.175	50	81,15

J8

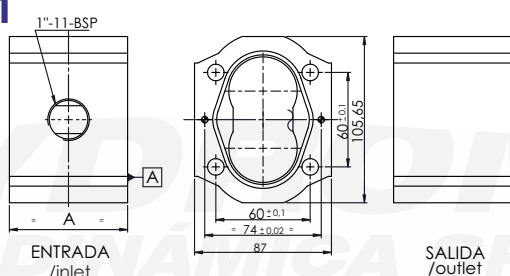
Código	Caudal [l/min]	COTA A $^{+0}_{-0.02}$	Cota B
1.000.963.164	40	75,15	37,58
1.000.963.165	50	81,15	40,58
1.000.963.166	60	87,65	43,83

J9

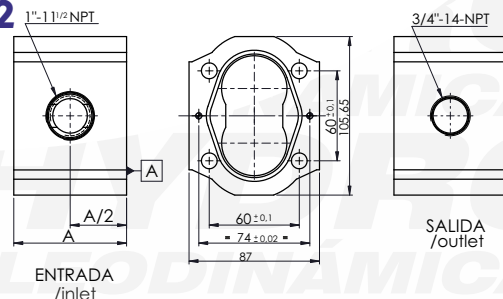
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1.000.963.244	40	75,15	37,58
1.000.963.245	50	81,15	40,58
1.000.963.246	60	87,65	43,83

J10

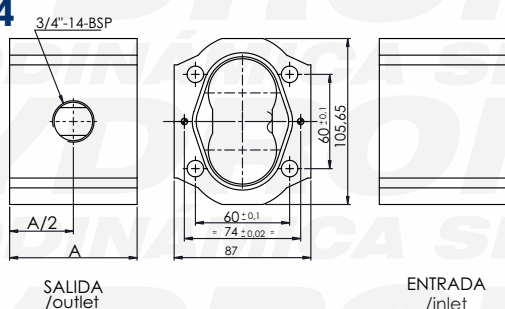
Código	Caudal [l/min]	COTA A $^{+0}_{-0.02}$	Cota B
1.000.963.164	40	75,15	37,58
1.000.963.165	50	81,15	40,58
1.000.963.166	60	87,65	43,83

J21

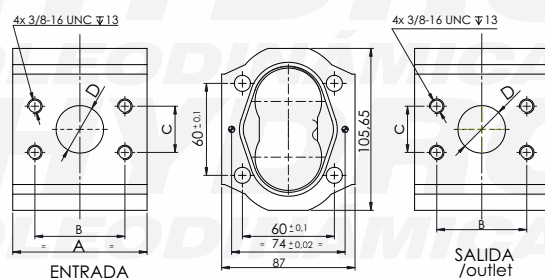
Código	Caudal [l/min]	COTA A $^{+0}_{-0.02}$
1.000.963.095	50	81,15

J22

Código	Caudal [l/min]	COTA A $^{+0}_{-0.02}$
1.000.963.224	40	75,15
1.000.963.225	50	81,15

J34

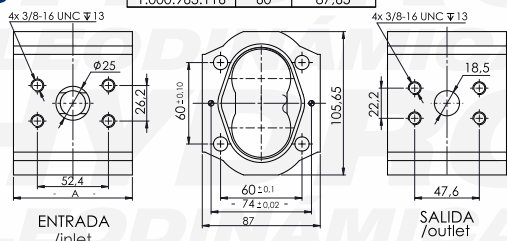
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1.000.963.204	40	75,15
1.000.963.205	50	81,15
1.000.963.206	60	87,65
1.000.963.207	70	93,65

S1

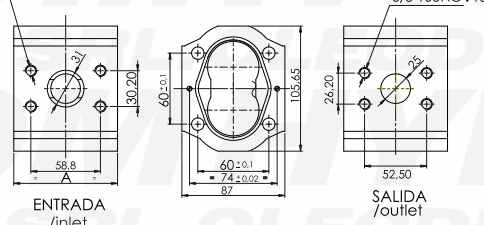
Código	Caudal [l/min]	Cota A $^{+0}_{-0.02}$	Cota B	Cota C	Cota D
1.000.963.014	40	75,15	52,4	26,2	25
1.000.963.015	50	81,15	52,4	26,2	25
1.000.963.016	60	87,65	58,7	30,2	31
1.000.963.017	70	93,65	58,7	30,2	31

S3

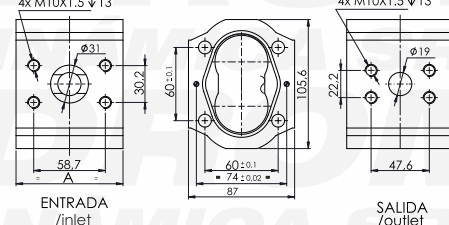
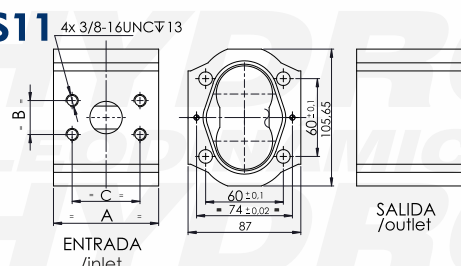
Código	Caudal [l/min]	COTA A ^{+0 -0.02}
1.000.963.115	50	81,15
1.000.963.116	60	87,65

**S5**

Código	Caudal [l/min]	COTA A ^{+0 -0.02}
1.000.963.135	50	81,15

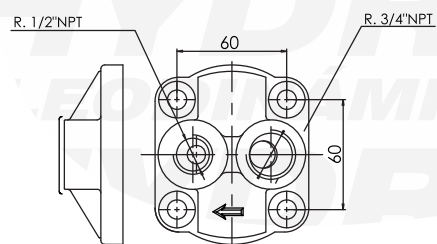
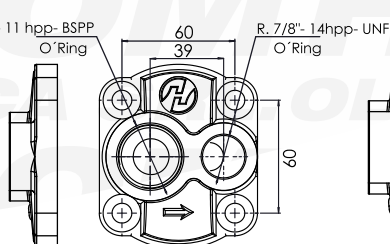
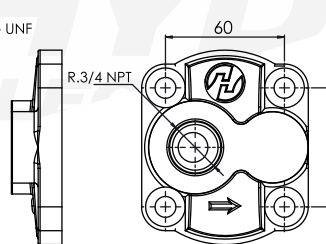
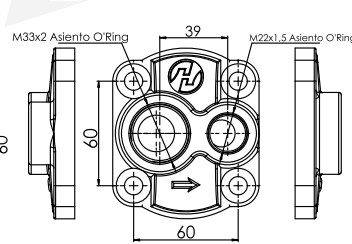
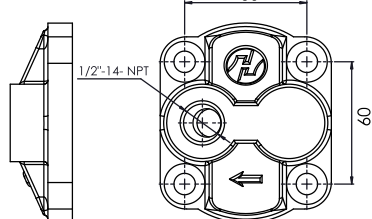
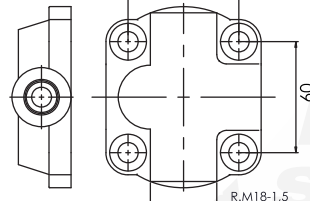
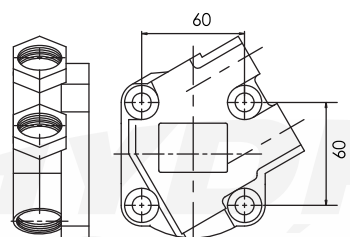
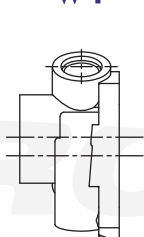
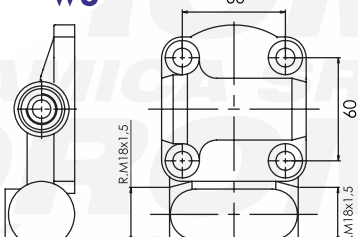
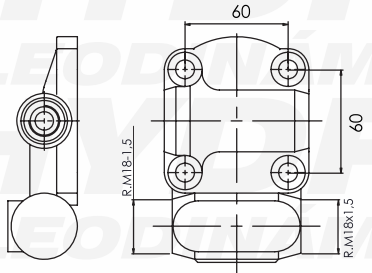
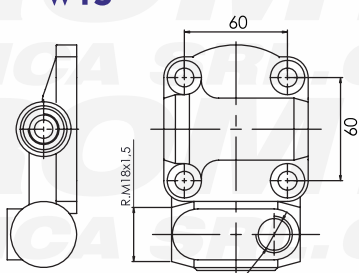
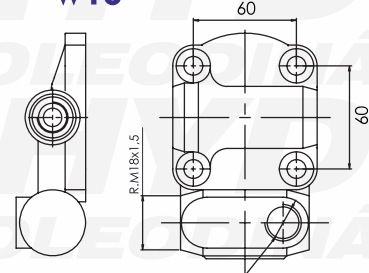
**S10**

Código	Caudal [l/min]	COTA A ^{+0 -0.02}
1.000.963.286	60	87,65

**S11**

Código	Caudal [l/min]	A ^{+0 -0.02}	B	C	Ø D
1.000.963.214	40	75,15	26,2	52,4	25
1.000.963.215	50	81,15	26,2	52,4	25
1.000.963.016	60	87,65	30,2	58,7	31
1.000.963.017	70	93,65	30,2	58,7	31

Caudal [l/min]	A ^{+0 -0.02}
40	75
50	81
60	88
70	94

TAPAS/ Rear Covers**H/H5****H6****H7****H8****H9****L****V****V6****W****W4****W7****W8****W13****W15****W16****W17**