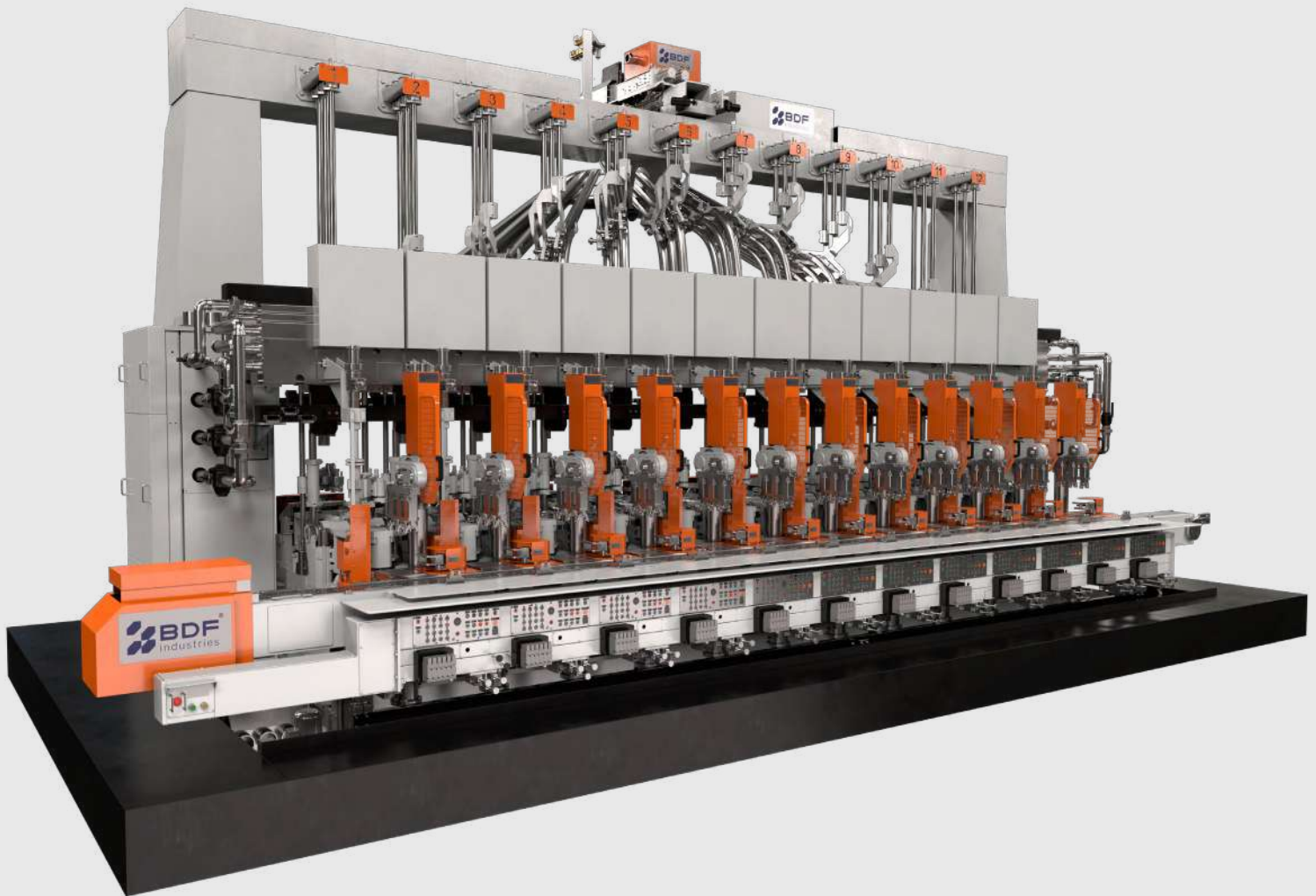


IS ANGULAR ADV 1050-8050

6-8-10-12 SECTIONS AND TANDEM
IS 4 ¼": SG-DG-TG 3"-TG 3 ⅛"
IS 5" S: SG-DG-TG 85MM
IS 5 ½": SG-DG
IS 6 ¼": SG-DG-TG 4 ¼"



STANDARD MACHINE CONFIGURATION

FEEDER

- Servo plunger
- Gear type revolving tube mechanism
- Servo Arcuate shear
- Shear spray system

DELIVERY SYSTEM

- Servo gob distributor SGD 330
- Easy Aligning Delivery System (EADS)

MACHINE

- Angular opening close mechanism
- 21 lines valve block
- Blank and Blow side Stack-cooling
- Blow side vertical cooling
- Series 300 2-Line Mechanism:
Baffle - Funnel - Blow head
- Servo Invert
- Servo Takeout

WARE HANDLING

- Step pusher
- Conveyor
- Transfer wheel TRW 1305

TIMING SYSTEM

- ADV 8050

PROCESS

- Blow & Blow
- Press & Blow
- Narrow Neck Press and Blow (NNPB)

OPTIONAL

FEEDER

- Dual motor Servo Arcute Shear
- Servo parallel Shear mechanism

DELIVERY SYSTEM

- Multi Direct Drive servo gob distributor X2/X3/X4
- Multi Direct Drive servo gob distributor SG-DG
- Costant Angle 30° Delivery system (on 8B10-10-12 section machine)

MACHINE

- Blank side axial cooling (on IS 5" 1/2 -6" 1/4)
- Blow side axial cooling (on IS 5" 1/2 -6" 1/4)
- Servo Take Out with motor from the top
- Baffle pantograph
- Air-spring funnel
- Proportional valves:
Plunger up - Counter Blow - Final Blow
- IWS system
- PMPC
- Black Box
- Thermocontroller
- CWD

WARE HANDLING

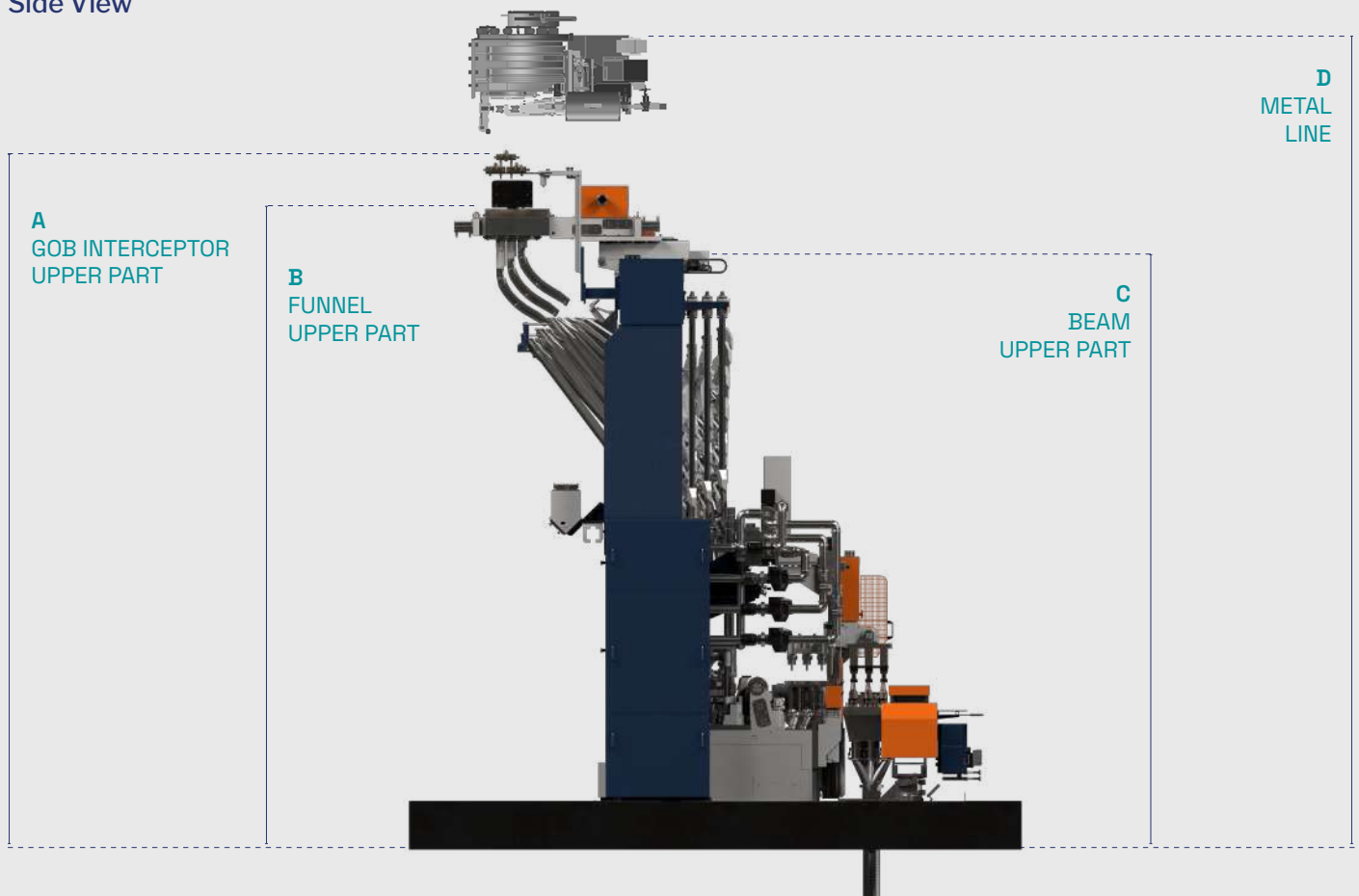
- AP Pusher mechanism (dual motor)
- Air jet pusher
- Conveyor HSS
- Transfer wheel TRW HSS double chain

TIMING SYSTEM

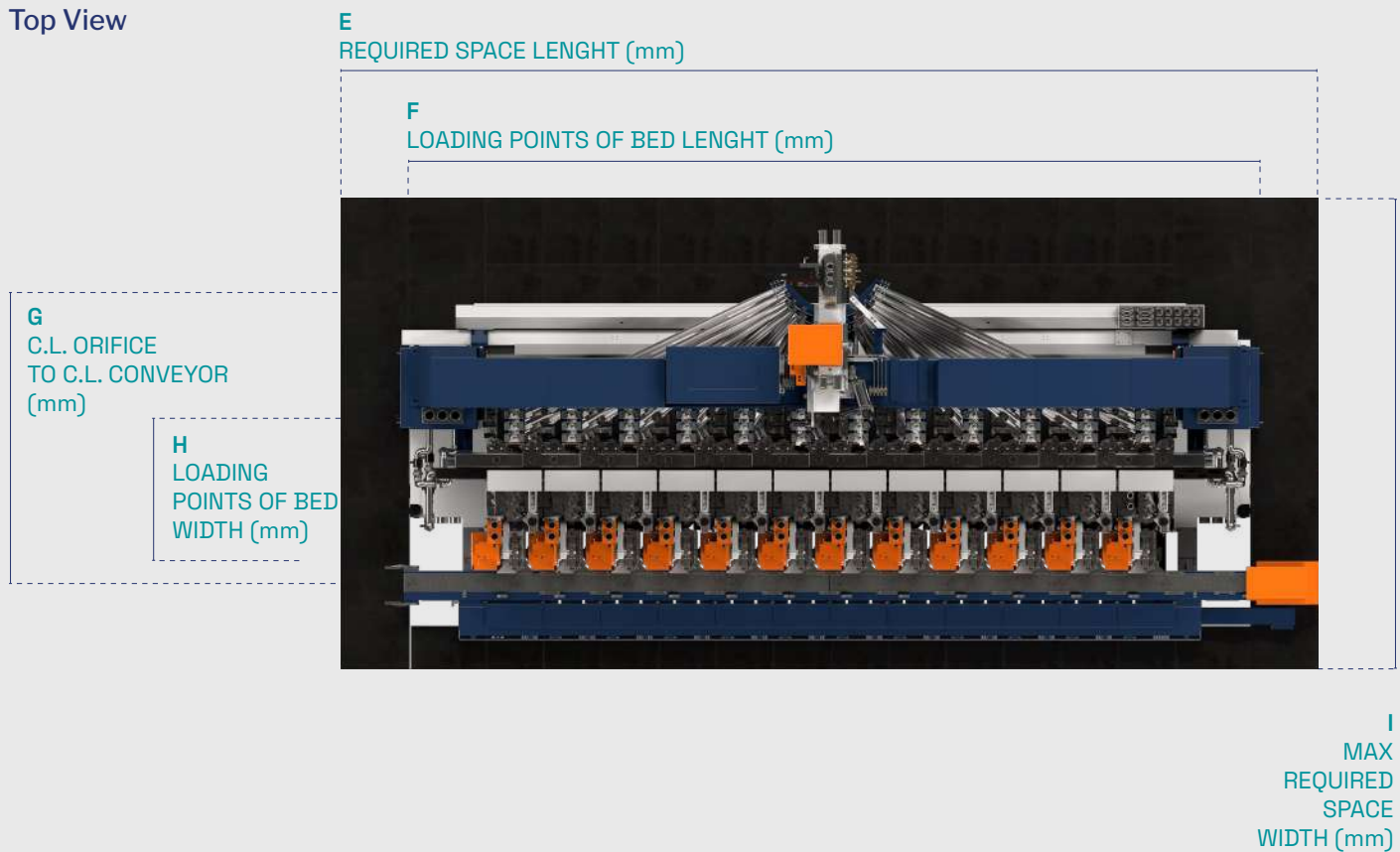
- ADV 8050

Technical Details

Side View



Top View



MACHINE TYPE

ANGULAR M.O.C.					
IS-4"¼	SG	DG 4"¼ (108 mm)	TG 3" (76 mm)	TG 80	(3 ⅛)
IS-5	SG	DG 5" (127 mm)	TG 85	(3" 11/32)	
IS-5"½	SG	DG 5"½ (140 mm)			
IS-6"¼	SG	DG 6"¼ (159 mm)	TG 4"¼ (108 mm)		

PARALLEL M.O.C.			
IS-P 6"¼	DG 6"¼ (159 mm)	TG 4"¼ (108 mm)	

MACHINES DIMENSIONS

ANGULAR M.O.C.												
----------------	--	--	--	--	--	--	--	--	--	--	--	--

SIDE VIEW (easy aligning version)

DELIVERY	EASY ALIGNING											
MACHINES	IS-4"¼			IS-5			IS-5½			IS-6¼		
SECTIONS	6-8	10	12	6-8	10	12	6-8	10	12	6-8	10	12
A GOB INTERCEPTOR UPPER PART (mm)	3.666	3.975	4.380	3.705	3.975	4.380	3.765	4.065	4.455	3.765	4.065	4.455
B FUNNEL UPPER PART (mm)	3.470	3.780	4.180	3.505	3.780	4.180	3.565	3.865	4.255	3.565	3.865	4.255
C BEAM UPPER PART (mm)	3.065	3.375	3.775	3.100	3.375	3.775	3.160	3.460	3.850	3.160	3.460	3.850
D METAL LINE (mm)	4.800	5.000	5.400	4.800	5.000	5.400	4.800	5.200	5.600	4.800	5.200	5.600

SIDE VIEW (constant angle version)

DELIVERY	CONSTANT ANGLE											
MACHINES	IS-4"¼			IS-5			IS-5½			IS-6¼		
SECTIONS	8B10	10	12	8B10	10	12	8B10	10	12	8B10	10	12
A GOB INTERCEPTOR UPPER PART (mm)	4.390	4.390	4.650	4.390	4.390	4.650	4.470	4.470	4.720	4.470	4.470	4.720
B FUNNEL UPPER PART (mm)	4.205	4.205	4.460	4.205	4.205	4.460	4.270	4.270	4.520	4.270	4.270	4.520
C BEAM UPPER PART (mm)	3.805	3.805	4.055	3.805	3.805	4.055	3.865	3.865	4.120	3.865	3.865	4.120
D METAL LINE (mm)	5.500	5.500	5.800	5.500	5.500	5.800	5.600	5.600	5.900	5.600	5.600	5.900

TOP VIEW

MACHINES	IS-4 ¹ / ₄				IS-5				IS-5 ¹ / ₂				IS-6 ¹ / ₄		
	6	8	10	12	6	8	10	12	6	8	10	12	8	10	12
E REQUIRED SPACE LENGHT (mm)	5.180	6.250	7.315	8.380	5.180	6.250	7.315	8.380	5.180	6.250	7.315	8.380	6.250	7.315	8.380
F LOADING POINTS OF BED LENGHT (mm)	4.480	5.547	6.614	7.680	4.480	5.547	6.615	7.680	4.480	5.550	6.615	7.680	5.550	6.615	7.680
G C. L. ORIFICE TO C. L. CONVEYOR (mm)	2.397	2.397	2.397	2.657	2.417	2.417	2.417	2.786	2.565	2.565	2.565	2.825	2.621	2.621	2.881
H LOADING POINTS OF BED WIDTH (mm)	1.465	1.465	1.465	1.465	1.465	1.465	1.465	1.465	1.465	1.465	1.465	1.465	1.465	1.465	1.465
I MAX REQUIRED SPACE (mm)	5.300	5.300	5.300	5.300	5.300	5.300	5.300	5.300	5.300	5.300	5.300	5.300	5.300	5.300	5.300

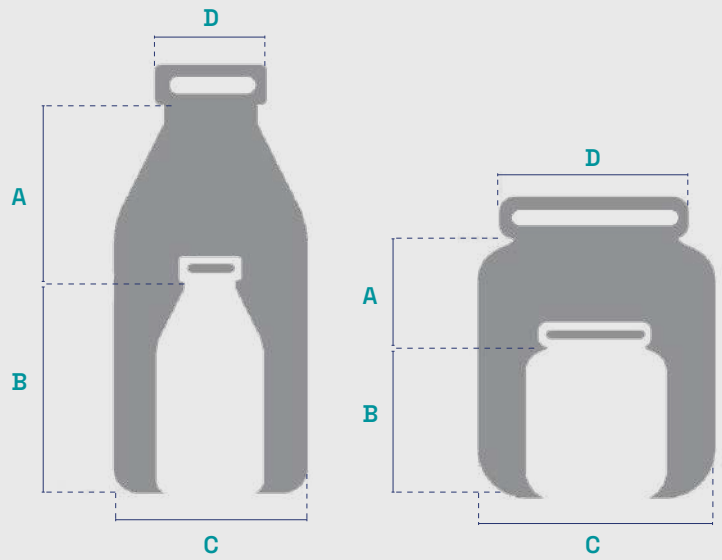
PARALLEL M.O.C.

SIDE VIEW

DELIVERY	EASY ALIGNING			CONSTANT ANGLE		
MACHINES	IS-P 6 ¹ / ₄					
SECTIONS	8	10	12	8	10	12
A GOB INTERCEPTOR UPPER PART (mm)	3.762	4.062	4.452	4.470	4.470	4.720
B FUNNEL UPPER PART (mm)	3.565	3.865	4.265	4.270	4.720	4.520
C BEAM UPPER PART (mm)	3.160	3.460	3.850	3.865	3.865	4.120
D METAL LINE (mm)	4.800	5.200	5.600	5.600	5.600	5.900

TOP VIEW

MACHINES	IS-P 6 ¹ / ₄		
SECTIONS	8	10	12
E REQUIRED SPACE LENGHT (mm)	6.247	7.314	8.380
F LOADING POINTS OF BED LENGHT (mm)	5.547	6.614	7.680
G C. L. OREFICE TO C. L. CONVEYOR (mm)	2.621	2.621	2.881
H LOADING POINTS OF BED WIDTH (mm)	1.465	1.465	1.465
D MAX REQUIRED SPACE WIDTH (mm)	5.300	5.300	5.300



PRODUCTION LIMIT TABLE

ANGULAR M.O.C.												
MACHINES	IS 4" ¼				IS 5"			IS 5" ½		IS 6" ¼		
CONFIGURATION	SG	DG	TG 3"	TG 80 (3" ½)	SG	DG	TG 85	SG	DG	SG	DG	TG 4" ¼
BLOW-BLOW												
MAX HEIGHT UNDER FINISH (mm) (A)	360	301	276	140	360	325	245	389	342	389	342	287
MIN HEIGHT UNDER FINISH (mm) (B)	74	58	59	25	74	73	95	74	68	74	115	30
MAX BODY DIAMETER (mm) WITH STACK COOLING (C)	178	90	51	60	178	102	62	178	111	178	130	80
MAX BODY DIAMETER (mm) WITH STACK COOLING/VACUUM (C)	170	76	45	50	170	95	54	170	102	170	121	76
MAX BODY DIAMETER (mm) WITH VERTICAL BLOW COOLING (C)	156	76	45	50	156	95	60	156	102	156	121	76
MAX FINISH DIAMETER (mm) (D)	48	48	30	35	48	48	30	48	48	48	48	48
PRESS-BLOW/NNPB												
MAX HEIGHT UNDER FINISH (mm) (A)	285	282	268	140	265	290	213	320	300	320	300	268
MIN HEIGHT UNDER FINISH (mm) (B)	74	40	47	45	74	55	75	65	58	74	105	30
MAX BODY DIAMETER (mm) WITH STACK COOLING (C)	178	90	51	60	178	102	62	178	111	178	130	80
MAX BODY DIAMETER (mm) WITH STACK COOLING/VACUUM (C)	170	80	45	50	170	95	54	170	102	170	121	76
MAX BODY DIAMETER (mm) WITH VERTICAL BLOW COOLING (C)	156	76	51	50	156	95	60	156	102	156	121	76
MAX FINISH DIAMETER (mm) (D)	120	83	38	45	120	90	55	120	90	120	90	70

MACHINES	IS 4" ¼				IS 5"			IS 5" ½		IS 6" ¼		
	SG	DG	TG 3"	TG 80 (3" ¼)	SG	DG	TG 85	SG	DG	SG	DG	TG 4" ¼
NNPB												
MAX HEIGHT UNDER FINISH (mm) (A)		282	268	140		290	213		300		300	268
MIN HEIGHT UNDER FINISH (mm) (B)		40	47	45		55	75		58		105	30
MAX BODY DIAMETER (mm) WITH STACK COOLING (C)		90	51	60		102	62		111		130	80
MAX BODY DIAMETER (mm) WITH STACK COOLING/VACUUM (C)		80	45	50		95	54		102		121	76
MAX BODY DIAMETER (mm) WITH VERTICAL BLOW COOLING (C)		76	45	50		95	60		102		121	76
MAX FINISH DIAMETER (mm) (D)		38	38	38		38	38		38		38	38

PARALLEL M.O.C.

MACHINES	IS-P 6" ¼	
CONFIGURATION	DG 6" ¼ (159 mm)	TG 4" ¼ (108 mm)
BLOW-BLOW		
MAX HEIGHT UNDER FINISH (mm) (A)	345	305
MIN HEIGHT UNDER FINISH (mm) (B)	115	105
MAX BODY DIAMETER (mm) WITH BLOW AXIAL COOLING (C)	121	76
MAX BODY DIAMETER (mm) WITH DOWN-UP COOLING (C)	121	76
MAX FINISH DIAMETER (mm) (D)	48	48
PRESS-BLOW/NNPB		
MAX HEIGHT UNDER FINISH (mm) (A)	300	285
MIN HEIGHT UNDER FINISH (mm) (B)	105	86
MAX BODY DIAMETER (mm) WITH BLOW AXIAL COOLING (C)	121	76
MAX BODY DIAMETER (mm) WITH DOWN-UP COOLING (C)	121	76
MAX FINISH DIAMETER (mm) (D)	105	70
MAX FINISH DIAMETER (mm) NNPB (D)	38	38

STANDARD SERVICE REQUIREMENT

ANGULAR M.O.C.														
MACHINES	PRESSURE		IS-4" ¼ – IS-5						IS-5 ½ – IS-6 ¼					
			8		10		12		8		10		12	
	P.S.I.	kg/cm ²	ft ³ /min	Nm ³ /min	ft ³ /min	Nm ³ /min	ft ³ /min	Nm ³ /min	ft ³ /min	Nm ³ /min	ft ³ /min	Nm ³ /min	ft ³ /min	Nm ³ /min
L.P. COMPRESSED AIR	34,8	2,4	282	8	353	10	424	12	311	8,8	388	11	466	13,2
H.P. COMPRESSED AIR	50,75	3,5	847	24	1.059	30	1.271	36	1.073	30,4	1.342	38	1.610	45,6
P&B - PLUNGER COOLING*	50,75	3,5	282	8	353	10	424	12	339	9,6	424	12	508	14,4
NNPB - PLUNGER COOLING*	87	6	282	8	353	10	424	12	339	9,6	424	12	508	14,4
VACUUM BLOW MOLD	25*Hg	635mm Hg	226	6,4	282	8	339	9,6	226	6,4	282	8	339	9,6
VACUUM BLANK SIDE	25*Hg	635mm Hg	113	3,2	141	4	169	4,8	113	3,2	141	4	169	4,8
MACHINE COOLING AIR	49* WC	1250mm WC	18.361	520	22.952	650	27.542	780	22.598	640	28.248	800	33.898	960
CONVEYOR COOLING AIR**	26*WC	650mm WC	4.237	120	5.297	150	6.356	180	4.237	120	5.297	150	6.3566	180
COOLING WATER	30	2		15 l/min		15 l/min		15 l/min		15 l/min		15 l/min		15 l/min

PARALLEL M.O.C.									
MACHINES	PRESSURE		IS-4" ¼ – IS-5						
			8		10		12		
	P.S.I.	kg/cm ²	ft ³ /min	Nm ³ /min	ft ³ /min	Nm ³ /min	ft ³ /min	Nm ³ /min	
L.P. COMPRESSED AIR	34,8	2,4	311	8,8	388	11	466	13,2	
H.P. COMPRESSED AIR	50,75	3,5	1.073	30,4	1.342	38	1.610	45,6	
P&B - PLUNGER COOLING*	50,75	3,5	339	9,6	424	12	508	14,4	
NNPB - PLUNGER COOLING*	87	6	339	9,6	424	12	508	14,4	
VACUUM BLOW MOLD	25*Hg	635mm Hg	226	6,4	282	8	339	9,6	
VACUUM BLANK SIDE	25*Hg	635mm Hg	113	3,2	141	4	169	4,8	
MACHINE COOLING AIR	55* WC	1400mm WC	19.209	544	24.011	680	28.813	816	
CONVEYOR COOLING AIR**	26*WC	650mm WC	4.237	120	5.297	150	6.356	180	
COOLING WATER	30	2,1		15 l/min		15 l/min		15 l/min	

* For PB-NNPB plunger cooling pressures above 3.15 Kg/cm² (if required by the customer)

** Value referred to Stack Cooling blank side and Vertiflow blow side

*** Value referred to Axial Cooling blank side and Axial Cooling or Vertiflow blow side

- Quantities specified are free air (21°C-70°F and 1 Kg/cm²-14.7 p.s.i.)
- The operating air supply must be clean and dry (it is required the installation of drying and filter system before the piping connection to the machine with an efficiency of 98% and a nominal retention of 4 ÷ 10 µ)
- Maximum temperature of compressed air supply to the machine = 80°C
- Minimum temperature of compressed air supply to the solenoid valve block = 10°C • Pilot air (Valve Block) 0.5 m³/min of free air at 21°C (clean, oil and water free) • Dew point of compressed air: -5 ÷ -2 °C
- Water hardness 100 parts CaCO₃ per 1,000,000 parts of water (P.P.M.)