

0DQXDOH GL LQVWDO
&DOGDLD D SDYLPHQWR D

*DV \$FH

+0, 7 FRQW

*HQWLOH FOLHQWH

JUDJLH SHU DYHU DFTXLVWDWR TXHVWR DSSDUHFFKLR

/HJJD DWWHQWDPHQWH LO SUHVHQWH PDQXDOH SULPD GL XWLOL]]DUH LO SURGR

YH 3HU JDUDQWLUH XQ FRVWDQWH IXQ]LRQDPHQWR HIILFLHQWH H VLFXUR FRQV

GRWWR /D QRWUD RUJDQL]]D]LRQH GL DVVLVWHQ]D H SRVW YHQGLWD SX' IRUQ

&L DXJULDPR SRVVD XVXIUXLUH SHU DQQL GL XQ IXQ]LRQDPHQWR SULYR GL LQF

,QGLFH

6LFXUH]]D

,VWUX]LRQL JHQHUDOL SHU OD VLFXUH]]D
 5DFFRPDQGD]LRQL
 5HVSQRVDELOLW¢
 5HVSQRVDELOLW¢ GHO SURGXWWRUH
 5HVSQRVDELOLW¢ GHOO LQVWDOODWRUH
 5HVSQRVDELOLW¢ GHOO XWHQWH

\$ SURSRVLWR GL TXHVWR PDQXDOH

'RFXPHQWD]LRQH DJJLXQWLYD
 6LPEROL XWLLOL]]DWL QHO PDQXDOH

&DUDWWHULVWLFKH 7HFQLFKH

2PRORJD]LRQL
 &HUWLILFD]LRQL
 &DWHJRULH GL XQLW¢
 'LUHWWLYH
 7HVW GL IDEEULFD
 'DWL WHFQLFL
 'LPHQVLRQL H FROOHJDPHQWL
 6FKHPD HOHWWULFR

'HVFUL]LRQH GHO SURGRWWR

3ULQFLSLR GL IXQ]LRQDPHQWR
 3RPSD GL FLUFROD]LRQH
 &RPSRQHQL SULQFLSDOL
 'HVFUL]LRQH GHO SDQQHOOR GL FRQWUROOR
 'HVFUL]LRQH GHL FRPSRQHQL
 'HVFUL]LRQH GHOO VFKHUPDWD SULQFLSDOH
 'HVFUL]LRQH GHO PHQX SULQFLSDOH
 6LJQLILFDWR GHOOH LFRQH YLVXDOL]]DWH VXO GLVSOD\

3ULPD GHOO LQVWDOOD]LRQH

1RUPH VXOO LQVWDOOD]LRQH
 6FHOWD GHO ORFDOH
 7DUJD PDWULFROD
 8ELFD]LRQH GHOO FDOGDLD
 7UDVSRUWR
 'LVLPEDOODJJLR H SUHSDUD]LRQH LQL]LDOH

,QVWDOOD]LRQH

*HQHUDOLW¢
 &ROOHJDPHQWL LGUDXOLFL
 5LVFLDFTXR GHOO LPSLDQWR
 &ROOHJDPHQWL LQJUHVV R DULD IXPL
 &ODVVLILFD]LRQH
 8VFLWH
 0DWHULDOH
 /XQJKH]]H GHL WXEL DULD H IXPL
 /LQHH JXLGD DJJLXQWLYH
 &ROOHJDPHQWR GHOO XVFLWD IXPL
 &ROOHJDPHQWR GHOO LQJUHVV R DULD
 &ROOHJDPHQWL HOHWWULFL
 5DFFRPDQGD]LRQL
 0RQWDJJLR GHO SDQQHOOR GL FRQWUROOR
 ,QVWDOOD]LRQH GHOO VFDWROD GHL FROOHJDPHQWL
 5LHPSLPHQWR GHOO LPSLDQWR
 7UDWDPHQWR GHOO DFTXD
 5LHPSLPHQWR GHO VLIRQH
 5LHPSLPHQWR GHOO LPSLDQWR

0HVVD LQ VHUYL]LR

5HJROD]LRQL YDOYROD JDV
 5HJROD]LRQH SHU XQ DOWUR WLSR GL JDV

,QGLFH

9HULILFD LPSRVWD]LRQH GHOOD FRPEXVWLRQH

)XQ]LRQDPHQWR

8WLOL]JR GHO SDQQHOOR GL FRQWUROOR

0DQXWHQ]LRQH

*HQHUDOLW¢

,QWHUYHQWL GL LVSH]LRQH H PDQXWHQ]LRQH VWDQGDUG

&RQWUROOR GHOOD SUHVVLQRH GHOO DFTXD

&RQWUROOR GHOOD TXDOLW¢ GHOO DFTXD

&RQWUROOR GHOOD FRUHQWH GL LRQL]D]LRQH

&RQWUROODUH L FROOHJDPHQWL GL XVFLWD IXPL LQJUHVVUR DULD

&RQWUROOR GHOOD FRPEXVWLRQH

&RQWUROOR GHO SUHVVRVWDWR GLIIHUHQ]LDOH 36 SHU O DULD

&RQWUROOR GHOOH IXJKH GL JDV 936

&RQWUROOR GHO SUHVVRVWDWR JDV *36

&RQWUROOR GHO EUXFLDWRUH H SXOL]LD GHOOR VFDPELDWRUH SULF

3XOL]LD GHO FROHWWRUH GHOOD FRQGHQVD

3XOL]LD GHO VLIRQH

6PDOWLPHQWR

5LPR]LRQH ULFLFODJJLR

5LVROX]LRQH GHL SUREOHPL

&RGLFL GL HUURUH

\$YYHUWHQ]D

%ORFFR SURYYLVRULR

%ORFFR SHUPDQHQWH

\$SSHQGLFH

,QIRUPD]LRQL VX (U3

6FKHGD SURGRWWR

6LFXUH]]D

,VWUX]LRQL JHQHUDOL SHU OD VLFXUH]]D

3HU O LQVWDOODWRUH



3HULFROR

,Q FDVR GL RGRUH GL JDV

1RQ XWLOL]]DUH ILDPPH OLEHUH
QRQ D]LRQDUH FRQWDWWL R LQV
FDPDQHOOL OXFL PRWRUL D
,QWHUURPSHUH O DOLPHQWD]LR
\$SULUH OH ILQHVVUH
,QGLYLGXDUH OH HYHQWXDOL SH
LPPHGLDWDPHQWH
6H OD SHUGLWD ^a D PRQWH GHO
DYYHUWLUH OD VRFLHWç GLVWU



3HULFROR

,Q FDVR GL HVDOD]LRQL GL IXPR

6SHJQHUH OD FDOGDLD
\$SULUH OH ILQHVVUH
,QGLYLGXDUH OH HYHQWXDOL SH
LPPHGLDWDPHQWH



\$WWHQ]LRQH

7HUPLQDWL JOL LQWHUYHQWL GL
]LRQH FRQWUROODUH WXWR O L
H DFFHUWDUVL FKH QRQ YL VLDQR

3HU O XWHQWH ILQDOH



3HULFROR

,Q FDVR GL RGRUH GL JDV

1RQ XWLOL]]DUH ILDPPH OLEHUH
QRQ D]LRQDUH FRQWDWWL R LQV
FDPDQHOOL OXFL PRWRUL D
,QWHUURPSHUH O DOLPHQWD]LR
\$SULUH OH ILQHVVUH
\$EEDQGRQDUH L ORFDOL
&RQWDWWDUH XQ LQVWDOODWRU



3HULFROR

6H FL VRQR HVDOD]LRQL GL IXPR

6SHJQHUH OD FDOGDLD
\$SULUH OH ILQHVVUH
\$EEDQGRQDUH L ORFDOL
&RQWDWWDUH XQ LQVWDOODWRU



\$YYHUWHQJD

1RQ WRFFDUH L WXEL GHL IXPL \$
VWD]LRQL GHOOD FDOGDLD OD WH
IXPL SX' VXSHUDUH L r&



\$YYHUWHQJD

1RQ WRFFDUH L UDGLDWRUL SHU S
OXQJDWL \$ VHFRQGD GHOOH LPSF
GDLD OD WHPSHUDWXUD GHL UDG
r&



\$YYHUWHQJD

/ XVR GHOOD FDOGDLD H O LQVWD
XWHQWH ILQDOH GHYRQR OLPLWDU
VFULWWH LQ TXHVWR PDQXDOH 4X
]LRQH GHYH HVVHUH HIIHWWXDWD
UH LQVWDOODWRUH TXDOLILFDWR



\$WWHQ]LRQH

\$YHU FXUD GL VRWRSRUUH OD FD
]LRQH UHJRODUH 3HU OD PDQXWH
GDLD ULYROJHUVL D XQ LQVWDOO
SXODUH XQ FRQWUDWWR GL PDQXY



\$WWHQ]LRQH

8WLOL]]DUH HVFOXVLYDPHQWH UL



,PSRUWDQWH

9HULILFDUH FRQ UHJRODULW¢ OD
SUHVVLQRH QHOOLPSLDQWR GL U

5DFFRPDQGDJLRQL

**3HULFROR**

/ DSSDUHFFKLR SX' HVVHUH XWLO
 HWç SDUL R VXSHULRUH D RWR D
 FDSDFLWç ILVLFKH VHQVRULDOL P
 YH GL FRPSHWHQJD HG HVSHULHQJ
 VRJJHWWH D VXSHUYLVLRQH R YH
 LVWUXJLRQL VXOO XVR VLFXUR GH
 VFKL FRUUHODWL 1RQ ODVFLDUH
 FRQ O DSSDUHFFKLR /H RSHUDJLR
 QXWHQJLRQH QRQ GHYRQR HVVHUH
 EDPELQL VHQJD VXSHUYLVLRQH

**\$YYHUWHQJD**

/ LQVWDOODJLRQH H OD PDQXWHQJ
 GHYRQR HVVHUH HIIHWWXDWH GD
 ULJJDWR LQ FRQIRUPLWç DOOH YL
 SUHVFULJLRQL QD]LRQDOL H ORFD

**\$YYHUWHQJD**

/ LQVWDOODJLRQH H OD PDQXWHQJ
 GHYRQR HVVHUH HIIHWWXDWH GD
 ILFDWR LQ FRQIRUPLWç FRQ OH LQ
 QHO PDQXDOH LQ GRWD]LRQH ,Q
 WUHEEH ULFRUUHUH LQ VLWXD]LR
 QL

**\$YYHUWHQJD**

/D ULPR]LRQH H OR VPDOWLPHQWR
 QR HVVHUH HVHJXLWL GD XQ LQVW
 FRQIRUPLWç DOOH QRUPDWLYH OR

**\$YYHUWHQJD**

3HU HYLWDUH VLWXD]LRQL GL SHU
 PHQWD]LRQH ^a GDQQHJJLDWR OD V
 YH HVVHUH HVHJXLWD GDO SURGX
 FHVVLQRDULR R GD XQ DOWUD SHU
 GHOH RSSRUWXQH FRPSHWHQJH

**\$YYHUWHQJD**

4XDQGR VL LQWHUYLHQH VXOOD F
 VHPSUH O DOLPHQWD]LRQH HOHWV
 QHWR SULQFLSDOH GHO JDV

**\$YYHUWHQJD**

8QD YROWD WHUPLQDWL WDOL LQV
 WXDOH SUHVHQJD GL SHUGLWH QH



3HULFROR

3HU TXHVWLRQL GL VLFXUHJJD VL
ULUH L ULOHYDWRUL GL IXPR H GL
LQ SRVL]LRQL DGHJXDWH DOO LQW
WD]LRQH



\$WWHQ]LRQH

- \$FFHUWDUVL FKH OD FDOGDLD VL
VLDVL PRPHQWR
- /D FDOGDLD GHYH HVVHUH LQVWD
SURWHWR GDO JHOR
- ,Q FDVR GL FROOHJDPHQWR ILVVF
PHQWD]LRQH RFFRUUH VHPSUH P
UXWWRUH SULQFLSDOH ELSRODUH
DSHUWXUD GHL FRQWDWWL SDUL
(1
- 6YXRWDUH OD FDOGDLD H O LPSL
WR FHQWUDOL]]DWR VH O DELWD]
WD SHU XQ OXQJR SHULRGR H LQ
JHOR
- /D SURWH]LRQH DQWLJHOR YLHQH
OD FDOGDLD QRQ ^a LQ IXQ]LRQH
- /D SURWH]LRQH GHOOD FDOGDLD
PHQWH OD FDOGDLD H QRQ O LQW
- 9HULILFDUH UHJRODUPHQWH OD S
QHOO LPSLDQWR 6H OD SUHVVL
ULRUH D EDU UDEE & BFDVHROH
DFTXD FRQVLJOLDWD FRPSUHVD V



,PSRUWDQWH

&RQVHUYDUH TXHVWR GRFXPHQWR



,PSRUWDQWH

*OL HOHPHQWL GHO PDQWHOOR SR
XQLFDPHQWH SHU ODYRUL GL PDQ
]LRQH 5LPRQWUDUH WXWWL L SDQC
WDWL L ODYRUL GL PDQXWHQ]LRQ



,PSRUWDQWH

/H WDUJKHWWH GL LVWUX]LRQH H
YRQR PDL HVVHUH ULPRVVH Q« FR
VXOWDUH OHJJLELOL SHU WXWWD
GDLD 6RVWLWXLUH LPPHGLDWDPH
LVWUX]LRQH H DYYHUWLPHQWR UR



,PSRUWDQWH

/H PRGLILFKH DOOD FDOGDLD ULFK
QH VFU 5MFKDL

5HVSRQVDELOLWç

5HVSRQVDELOLWç GHO SURC

, QRVWUL SURGRWWL VRQR IDEEULFD
 VLWL GHOOH YDULH GLUHWLWLYH DSS
 FRQVHJQDWL FRQçDLPçBFBçMçXçWL QI
 UL 1HOO LQWHUHVH GHOD TXDOLW
 PR FRQWLQXDPHQWH GL PLJOLRUDUO
 LO GLULWR GL PRGLILFDUH OH VSHF
 GRFXPHQR

/D QRVWUD UHVSRQVDELOLWç LQ TXD
 WUç HVVHUH FKLDPDWD LQ FDXVD QH

- 0DQFDWR ULVSHWR GHOD LVWUX] SDUHFFKL
- 0DQFDWD RVVHUYDQ]D GHOD LVWU UHFFKL
- 0DQFDWD R LQVXIILFLHQWH PDQXWH FKL

5HVSRQVDELOLWç GHOD LQV

/ LQVWDOODWRUH^a UHVSRQVDELOH G
 SULPD PHVVD LQ IXQ]LRQH GHOD DSS
 GHYH ULVSHWWDUH OH VHJXHQL LV

- /HJJHUH H VHJXLUH OH LVWUX]LRQL IRUQLWL FRQ O DSSDUHFFKL
- ,QVWDOODUH O DSSDUHFFKL LQ FR OHJJL YLJHQWL
- (IIHWWXDUH OD PHVVD LQ VHUYL]LR FRQWUROOL QHFHVVDUL
- 6SLHJDUH O LQVWDOOD]LRQH DOO X
- ,Q FVDR GL QHFHVVLWç GL PDQXWHG WHQH FLUFD O REEOLJR GL HVHJXL UHFFKL H GL SUHVHUYDUH TXHVW X IXQ]LRQDPHQWR FRUUHWH
- &RQVHJQDUH DOO XWHQH WXWWL L

5HVSRQVDELOLWç GHOD XW

3HU JDUDQWLUH XQ IXQ]LRQDPHQWR VSHWWDUH OH VHJXHQL LVWUX]LRQ

- /HJJHUH H VHJXLUH OH LVWUX]LRQL IRUQLWL FRQ O DSSDUHFFKL
- 5LYROJHUVL D SURIHVVLRQLVWL TXD VWDOOD]LRQH HG HVHJXLUH OD SUL
- &KLHGHUH DOO LQVWDOODWRUH GL GHOD LPSLDQR

-)DU HVHJXLUH D XQ LQVWDOODWRUH
]LRQH H OH LVSH]LRQL QHFHVVDULH
- &RQVHUYDUH LO PDQXDOH GL LVWUX
QL H YLFLQR DOO DSSDUHFFKLR

\$ SURSRVLWR GL TXHVWR PDQXDOH

'RFXPHQWD]LRQH DJJLXQWLYD

- Š GLVSRQLELOH OD VHJXHQWH GRFXPHQWD]LRQH
- 0DQXDOH G XVR H LQVWDOOD]LRQH SHU LO SDQQ
 - 0DQXDOH SHU LO VHUYL]LR YHQGLWH

6LPEROL XWLLOL]JDWL QHO PDQXDOH

,O SUHVHQWH PDQXDOH XWLLOL]JD YDUL OLYHOOL
QH VX LVWUX]LRQL SDUWLFRODUL 4XHVWR DO ILO
WHQWH SUHYHQLUH SUREOHL H JDUDQWLUH LO
UHFFKLR



3HULFROR

5LVFKLR GL VLWXD]LRQL SHULFRORVH FKH SR
VRQDOL JUDYL



3HULFROR GL VFRVVD HOHWWULFD

5LVFKLR GL VFRVVD HOHWWULFD



\$YYHUWHQJD

5LVFKLR GL VLWXD]LRQL SHULFRORVH FKH SR
VRQDOL PLQRUL



\$WWHQ]LRQH

5LVFKLR GL GDQQL PDWHULDOL



,PSRUWDQWH

6HJQDOD XQ LQIRUPD]LRQH LPSRUWDQWH



9HGHUD

5LIHULPHQWR DG DOWUL PDQXDOL R SDJLQH

&DUDWWHULVWLFKH 7HFQLFKH

2PRORJD]LRQL

&HUWLILFD]LRQL

7DE &HUWLILFD]LRQL

1 GL LGHQWLILFD]LRQL	1,1RQH &&
&ODVVH 12[(1 ;
7LSR GL FROOHJD]LRQL	7RQR
	& & & & & &

&DWHJRULH GL XQLW

7DE &DWHJRULH GL XQLW

3DHVH	&DWHJRULD	7LSR GL JDV	3UHVVLQRH GL FROOHJD]LRQL
\$XVWULD	,,+ % 3	* JDV + * * EXWDQR SURSDQR	
%HOJLR	,(6 % % 3	* JDV (* * EXWDQR SURSDQR	
6YL]]HUD	,,+ % 3	* JDV + * * EXWDQR SURSDQR	
)LQODQGLD	,,+ % 3	* JDV + * * EXWDQR SURSDQR	
&URD]LD	,,+ 3	* JDV + * SURSDQR	
8QJKHULD	,,+6 % 3	* JDV + * JDV 6 * * EXWDQR SURSDQR	
,WDOLD	,,+ % 3	* JDV + * * EXWDQR SURSDQR	
/XVVHPEXUJR	,,+ 3	* JDV + * SURSDQR	
5RPDQLD	,,+ 3	* JDV + * SURSDQR	
6HUED	,,+ 3	* JDV + * SURSDQR	
7XUFKLD	,,+ % 3	* JDV + * * EXWDQR SURSDQR	

'LUHWWLYH

2OWUH DOOH GLUHWLYH H DL UHTXLVLWL GL OH
 OLQHH JXLGD VXSSOHPHQWDUL SUHVHQWL QHO PD
 (YHQWDOL VXSSOHPHQWL R VFFFHVLYH QRUPD
 WR GHOO LQVWDOOD]LRQH VRQR GD LQWHQGUVL
 QHH JXLGD GHILQLWH QHO SUHVHQWH PDQXDOH

7HVW GL IDEEULFD

3ULPD GL ODVFLDUH O D]LHQGD RJQL FDOGDLD a
QH VRWWSRVWD D WHVW SHU YHULILFDUH L VHJ

- 6LFXUH]]D HOHWULFD
- 5HJROD]LRQH GL
- 7HQXWD LGUDXOLFD
- 7HQXWD JDV
- ,PSRVWD]LRQH GHL SDUDPHWUL

'DWL WHFQLFL

7DE *HQHUDOLWç

*DV	\$FH						
3RWHQ]D QRPLQDOH 3Q)XQ]LRQDPHQWR ULVFDO]DWR r&	PLQ PND:)PHQWR FHQWUDOL]o						
3RWHQ]D QRPLQDOH 3Q)XQ]LRQDPHQWR ULVFDO]DWR r&	PLQ PND:)PHQWR FHQWUDOL]o						
3RUWDWD QRPLQDOH 4Q)XQ]LRQDPHQWR ULVFDO]DWR +L * JDV +	PLQ PND:)PHQWR FHQWUDOL]o						
3RUWDWD QRPLQDOH 4Q)XQ]LRQDPHQWR GL ULVF OL]]DWR +L * JDV /	PLQ PND: DOGDPHQWR FHQWUDOL]o						
3RUWDWD QRPLQDOH 4Q)XQ]LRQDPHQWR 5& +L * SURSDQR	PLQ PND: SURSDQR						
3RUWDWD QRPLQDOH 4Q)XQ]LRQDPHQWR ULVFDO]DWR +V * JDV +	PLQ PND:)PHQWR FHQWUDOL]o						
3RUWDWD QRPLQDOH 4Q)XQ]LRQDPHQWR ULVFDO]DWR +V * JDV /	PLQ PND: GDPHQWR FHQWUDOL]o						
3RUWDWD QRPLQDOH 4Q)XQ]LRQDPHQWR ULVFDO]DWR +V * SURSDQR	PLQ PND: GDPHQWR FHQWUDOL]o						
(IILFLHQ]D ULVFDOGDPHQWR SLHQR FDULFR +L r&	FHQWUDOL]]DWR D &((
(IILFLHQ]D ULVFDOGDPHQWR SLHQR FDULFR +L r& (1	FHQWUDOL]]DWR D (1						
(IILFLHQ]D WHUPLFD GHOO]DWR D EDVVR FDULFR +L ULWRUQR r&	LPSLDQWR FHQWUDOL]o WHP SHUDWXUD GL						
(IILFLHQ]D WHUPLFD GHOO]DWR D FDULFR SDU]LDH SHUDWXUD GL ULWRUQR r&	LPSLDQWR FHQWUDOL]o &((WHPo						
,PSRVWD]LRQH GL IDEEULFD							

7DE 'DWL VX JDV H IXPL

*DV	\$FH						
3UHVVLQRH GL DOLPHQW +	PLQ PND: JDV						

*DV	\$FH						
3UHVVLQRH GL DOLPHQW	PLQ	PLQ	PLQ	PLQ	PLQ	PLQ	PLQ
3UHVVLQRH GL DOLPHQW	PLQ	PLQ	PLQ	PLQ	PLQ	PLQ	PLQ
&RQVXPR JDV * JDV +	PLQ	PLQ	PLQ	PLQ	PLQ	PLQ	PLQ
&RQVXPR JDV * JDV /	PLQ	PLQ	PLQ	PLQ	PLQ	PLQ	PLQ
&RQVXPR JDV * SURSD	PLQ	PLQ	PLQ	PLQ	PLQ	PLQ	PLQ
HPLVVLQRH DQXHX GL 12;	PLQ	PLQ	PLQ	PLQ	PLQ	PLQ	PLQ
4XDQWLW IXPL	PLQ	PLQ	PLQ	PLQ	PLQ	PLQ	PLQ
7HPSHUDWXUD GHL JDV	PLQ	PLQ	PLQ	PLQ	PLQ	PLQ	PLQ
3UHYDOHQJ]D UHVLGX DO	PLQ	PLQ	PLQ	PLQ	PLQ	PLQ	PLQ
PLQ EDVVR FDULFR FRQ 7U	PLQ	PLQ	PLQ	PLQ	PLQ	PLQ	PLQ

7DE 'DWL FLUFXLWR GL ULVFDQGDPHQWR FHQWUDOL]]DWR

*DV	\$FH						
&RQWHQXWR DFTXD							
3UHVVLQRH GHOO DFTXD	PLQ	PLQ	PLQ	PLQ	PLQ	PLQ	PLQ
3UHVVLQRH GHOO DFTXD	PLQ	PLQ	PLQ	PLQ	PLQ	PLQ	PLQ
7HPSHUDWXUD GHOO DFT	PLQ	PLQ	PLQ	PLQ	PLQ	PLQ	PLQ
7HPSHUDWXUD GL HVHUF	PLQ	PLQ	PLQ	PLQ	PLQ	PLQ	PLQ
5HVLVWHQJ]D LGUDXOLF	PLQ	PLQ	PLQ	PLQ	PLQ	PLQ	PLQ

7DE 'DWL HOHWWULFL

*DV	\$FH						
7HQVLRQH GL DOLPHQW	PLQ	PLQ	PLQ	PLQ	PLQ	PLQ	PLQ
&RQVXPR HQHUJHWLFR	PLQ	PLQ	PLQ	PLQ	PLQ	PLQ	PLQ
&RQVXPR HQHUJHWLFR	PLQ	PLQ	PLQ	PLQ	PLQ	PLQ	PLQ
&RQVXPR HQHUJHWLFR	PLQ	PLQ	PLQ	PLQ	PLQ	PLQ	PLQ
*UDGR GL SURWH]LRQH H	PLQ	PLQ	PLQ	PLQ	PLQ	PLQ	PLQ
)XVLELOL	PLQ	PLQ	PLQ	PLQ	PLQ	PLQ	PLQ

7DE \$OWUL GDWL

*DV	\$FH						
3HVR WRWDOH LQFOXVR	PLQ	PLQ	PLQ	PLQ	PLQ	PLQ	PLQ
3HVR GHOO FDOGDLD	PLQ	PLQ	PLQ	PLQ	PLQ	PLQ	PLQ
/LYHOOR PHGLR GL SUHV	PLQ	PLQ	PLQ	PLQ	PLQ	PLQ	PLQ

7DE 3DUDPHWUL WHFQLFL

*DV \$FH						
&DOGDLD D FRQGHQVDJLRQH			6®	6®	6®	6®
&DOGDLD D EDVVD WHP SHUDWXUD			1R	1R	1R	1R
&DOGDLD %			1R	1R	1R	1R
\$SSDUHFFKLR GL FRJHQHUDJLRQH SHU LO URo VFDQGDPHQWR G DPELHQWH				1R	1R	1R
\$SSDUHFFKLR GL ULVFDQGDPHQWR PLVWR 1R				1R	1R	1R
3RWHQJD WHUPLFD QRPLQDOH						
3RWHQJD WHUPLFD XWLOH LQ FDMR GL IXQJLRQ QDPHQWR DG DOWD WHP SHUDWXUD DOOD SRo WHQJD WHUPLFD QRPLQDOH						
3RWHQJD WHUPLFD XWLOH DO NGHOOD SRo WHQJD WHUPLFD QRPLQDOH H UHJLPH D EDVo VD WHP SHUDWXUD						
(ILFLHQJD HGHUJHWLFD VWDJLRQDOH GHO ULV VFDQGDPHQWR G DPELHQWH						
5HQGLPHQWR XWLOH D SRWHQJD WHUPLFD QRo PLQDOH H UHJLPH DG DOWD WHP SHUDWXUD						
3RWHQJD WHUPLFD XWLOH DO GHOOD SRo WHQJD WHUPLFD QRPLQDOH H UHJLPH D EDVo VD WHP SHUDWXUD						
&RQVXPR DXVLOLDUR GL HOHWULFLWç						
3LHQR FDULFR	HOPD]	N:				
&DULFR SDUJLDOH	HOPLQ	N:				
ORGR VWDQGE\	36%	N:				
\$OWUL HOHPHQWL						
'LVSHUVLRQH WHUPLFD LQ VWDQGE\						
&RQVXPR HGHUJHWLFR GHO EUXNF DWRUH GL DFFHQVLRQH						
&RQVXPR HGHUJHWLFR DQQR N:K *-						
/LYHOOR GL SRWHQJD VRQUD G% DPELHQWH LQWHUQR						
(PLVVLRQL GL RVVLGL G12JRW RPJ N:K						
3HU EDVVD WHP SHUDWXUD VL LQWHQGRQR r & SHU OH FDOGDLD D FRQGHQVDJLRQH VR GHO ULVFDQGDWRUH SHU DOWUH DSSDUHFFKLDWXUH GL ULVFDQGDPHQWR 3HU IXQJLRQDPHQWR DG DOWD WHP SHUDWXUD VL LQWHQGRQR XQD WHP SHUDWXUD GL U PDQGDWD GL r & DOO XVFLWD GHOOD FDOGDLD						

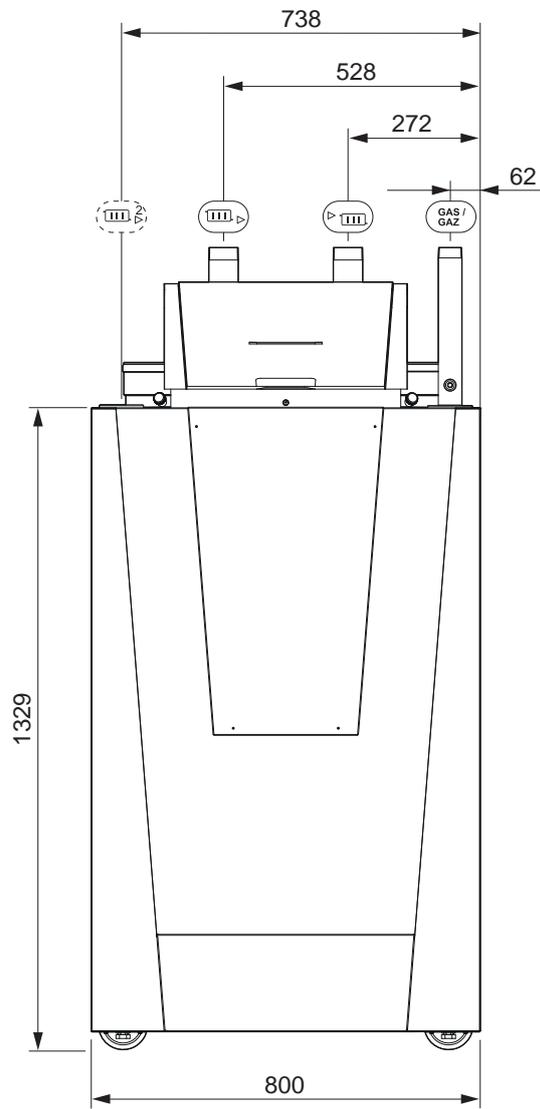
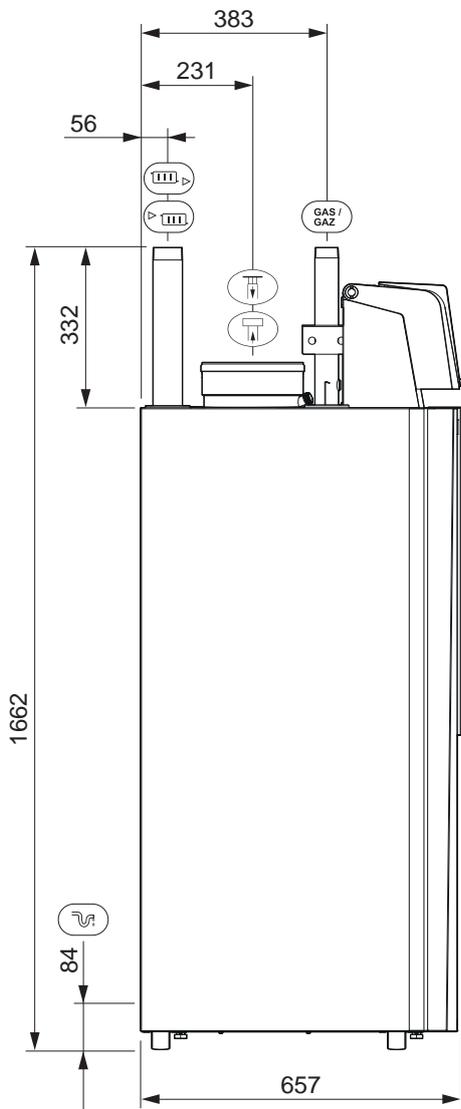
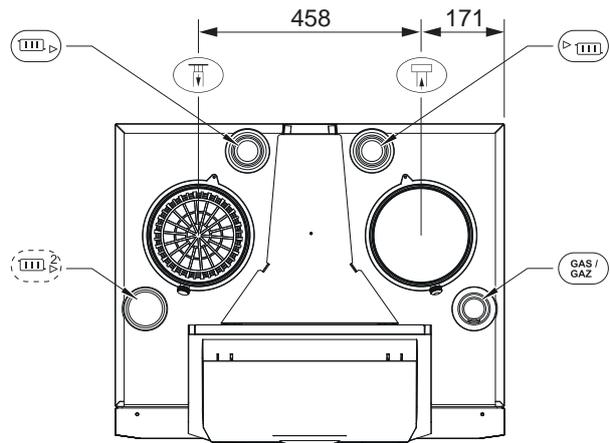


9HGHH

3HU L GHWDJOL GL FRQDWR YHGL TXDUW

'LPHQVLRQL H FROOHJDPHQWL

)LJ 'LPHQVLRQL



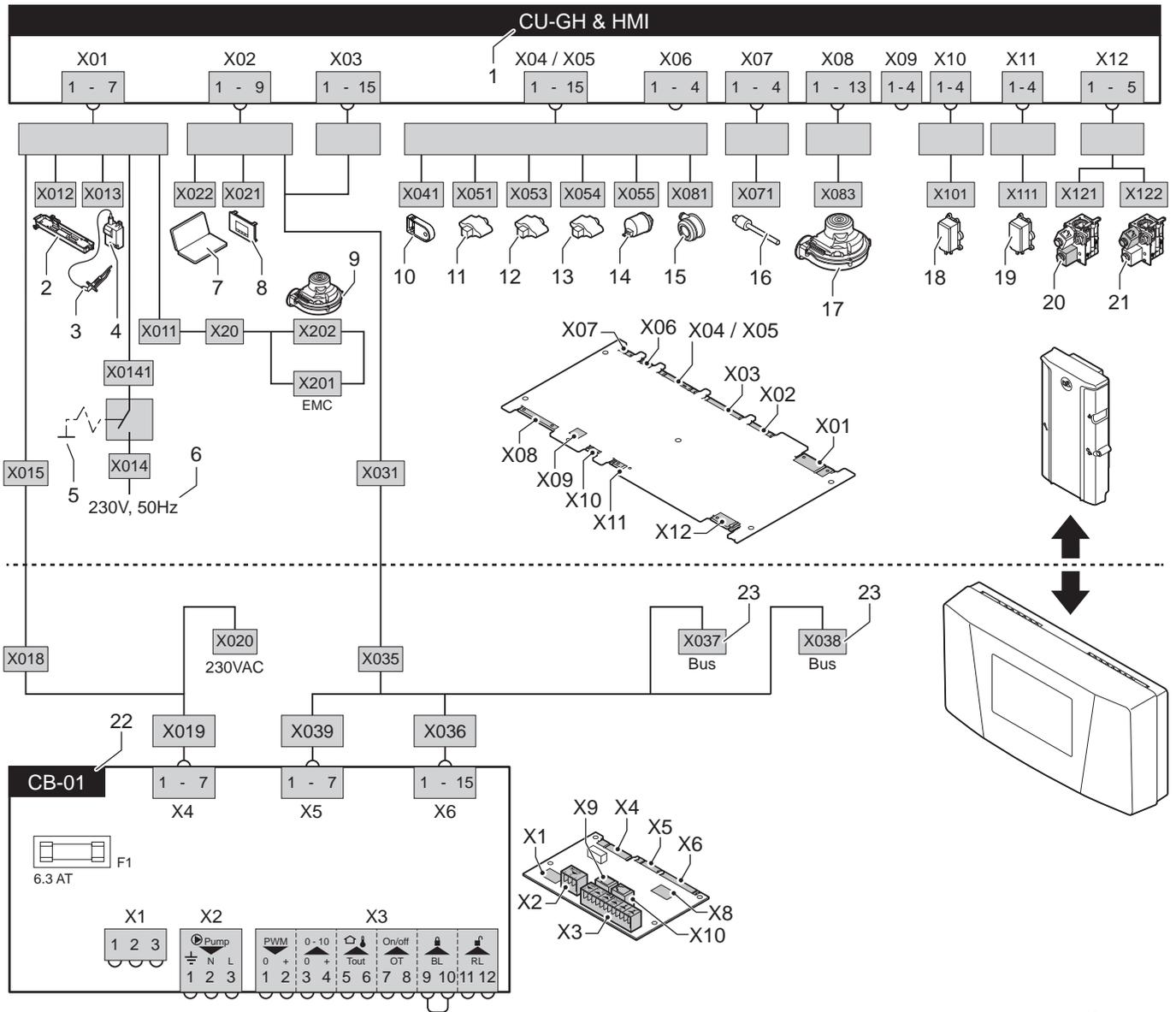
AD-3000809-01

<p>⌘ &ROOHJDPHQWR GHOO XVFLWD IXPL ^{GAS/} GAZ</p> <p>*DV \$FH š PP</p> <p>*DV \$FH š PP</p>	<p>⌘ &ROOHJDPHQWR JDV</p> <p>*DV \$FHLOHWWR PDVFKLR 5 FP</p> <p>*DV \$FH 5 ILOHWWR PDVFKLR</p>
<p>⌘ &ROOHJDPHQWR GHOO LQJUHVVVR DULD FP</p> <p>*DV \$FH PP</p> <p>*DV \$FH š PP</p>	

▶ **III** &ROOHJDPHQWR GHJOL VFDULFKL **III** ² &ROOHJDPHQWR GHO ULWRUQR GHO V
 *DV \$FHLOHWWR PDVFKLR 5 FP FHQWUDOL]]DWR RS]LRQDOH
 *DV \$FH ILOHWWR PDVFKLR 5 *DV \$FHLOHWWR PDVFKLR 5 FP
 FP *DV \$FH ILOHWWR PDVFKLR 5
III ▶ &ROOHJDPHQWR GHO ULWRUQR GHO V **III** &ROOHJDPHQWR GHO ULWRUQR GHO V
 JDWR
 *DV \$FHLOHWWR PDVFKLR 5 FP
 *DV \$FH ILOHWWR PDVFKLR 5 FP

6FKHPD HOHWWULFR

)LJ 6FKHPD HOHWWULFR



AD-0001189-01

3DQQHOOR GL FRQWUROOR FDOGDLD
 ,OOXPLQD]LRQH
 (OHWWURGR GL DFFHQVLRQH LRQL]]D]LRQH
 7UDVIRUPDWRUH GL DFFHQVLRQH ,7
 ,QWHUUXWWRUH 2Q 2II \$
 \$OLPHQWDWRUH 3
 &RQQHWWRUH GL VHUYL]LR FROOHJDP
 3DQQHOOR GL FRQWUROOR +0,
 0DQGDWD YHQWLODWRUH 3
 3DUDPHWUR GL DUFKLYLD]LRQH 368
 6RQGD GL PDQGDWD)7V

6HQVURH GL WHPSHUDWXUD GHOOR V
 +(V
 6HQVURH GHOOD WHPSHUDWXUD GL U
 6HQVURH GL SUHVVRQRH LGUDXOLF
 3UHVVVRVWDWR GLIIHUHQ]LDOH GHO
 6RQGD JDV FRPEXVWL)*V
 6RQGD YHQWLODWRUH 3:0
 &RQWUROOR GHOOH SHUGLWH GL JDV
 3UHVVVRVWDWR GHO JDV *36
 9DOYROD JDV
 9DOYROD JDV

&DUDWWHULVWLFKH 7HFQLFKH

3&% VWDQGDUG

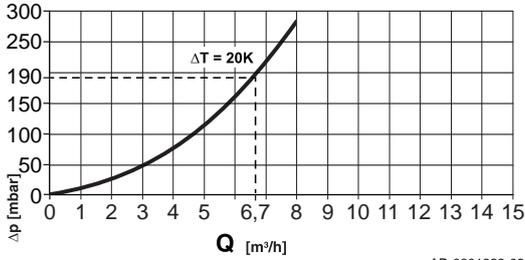
&RQQHVLRQL / %XV SHU 3&% GL FRQ
D VHFRQGD GHO PRGHOOR GHOOD FD

'HVFULJLRQH GHQ SURGRWWR

3ULQFLSLR GL IXQJLRQDPHQWR

3RPSD GL FLUFRODJLRQH

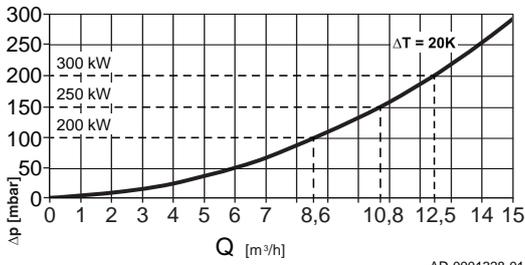
)LJ 5HVLVWHQJ'D*DGUDXOLFD \$FH



AD-0001329-02

Â3 5HVLVWHQJ'D GHOD FDOGDLD PEDU
4 3RUWDWKD P

)LJ 5HVLVWHQJ'D*DGUDXOLFD



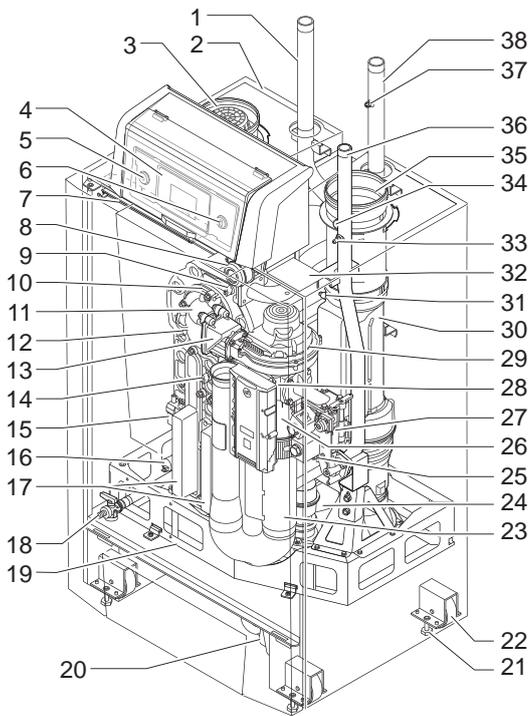
AD-0001328-01

/D FDOGDLD a IRUQLWD VHQJ'D SRPSD 4XDQGR VL
FRQR GHOD UHVLVWHQJ'D GHOD FDOGDLD H GH

! \$WWHQJLRQH
/D SRWHQJ'D PDVLPD DVVRUELWD SX' HVVHU
XQ UHO^a DXVLOLDULR SHU XQD SRPSD GL SRW

&RPSRQHQL SULQFLSDOL

)LJ &RPSRQHQL SULQFLSDOL



AD-0001160-01

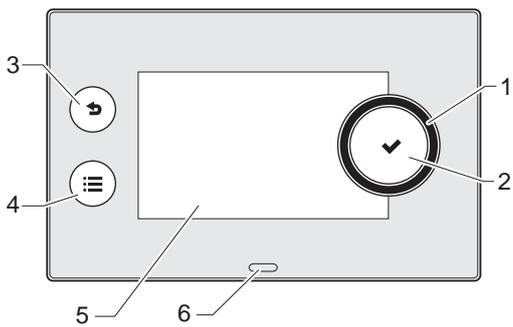
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,QYROXFUR FDPHUD VWDJQD
,QJHVVR DULD
3DQQHOOR GL FRQWUROOR
,QWHUUXWWRUH 2Q 2II
&RQHWWRUH GL VHUYLJLR FROOHJDPHQWR
/XFH LQWHUQD /('
3UHVVRVWDR GLIIHUHQJLDQ GHOD DULD
6RQGD GL PDQGDWD
%UXFLDWRUH
\$GDWWDWRUH
6FDPELDWRUH GL FDORUH
9DOYROD GL QRQ ULWRUQR
6HQVRUH GL WHPSHUDWXUD SHU OR VFDPELD
7UDVIRUPDWRUH GL DFFHQVLRQH
6HQVRUH GL SUHVLRQH LGUDXOLFD
6SRUWHOR GL LVSHJLRQH VFDPELDWRUH GL
9DOYROD GL ULHPSLPHQWR VFDULFR
7HODLR
6LIRQH
9LWH GL UHJRODJLRQH
5XRWD GL WUDVSRUWR
6LOHQJLDWRUH SUHVD G DULD
&ROHWWRUH GL UDFFRQWD SHU OD FRQGHQ
3UHVD GL SUHVLRQH GHQ JDV
9HQWXUL
\$VVLPH YDOYROD JDV
3DQQHOOR GL FRQWUROOR &8 *+
9HQWLODWRUH

7XER GL UDFFRUGR IXPL
6RQGD JDV IXPL
6XSSRUWR
3UHVD GL SUHVVLQRH GHO JDV
3XQWR GL PLVXUDJLRQH IXPL
8VFLWD IXPL
&ROOHJDPHQWR JDV
6ILDWR PDQXDOH
7XER DOLPHQWDJLRQH ULVFDQGDPHQWR FHQW

'HVFULJLRQH GHO SDQQHOOR GL FRQWUROOR

'HVFULJLRQH GHL FRPSRQHQL

)LJ &RPSRQHQL GHO SDQQHOOR GL FRQWUROOR



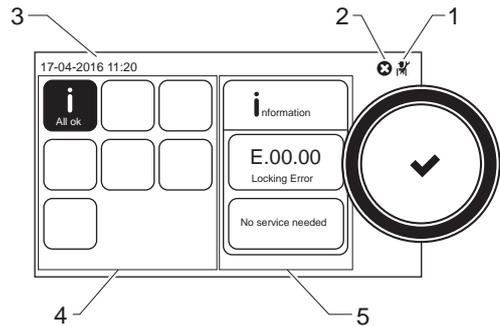
AD-3000932-01

ODQRSROD SHU VHOHJLRQDUH XQ PHQX R XQ
3XOV ✓ SMU FRQIHUPDUH OD VHOHJLRQH
3XOVDQWH ✓ LQBHUWRURQDUH DO OLYHOOR SUH
SUHFHGHQWH
3XOVDQW ✓ SHQXWRUQDUH DO PHQX SULQFLSD
9LVXDOLJJDJLRQH
/(' SHU LQGLFDJLRQH GL VWDWR
- YHUGH ILVVR IXQJLRQDPHQWR QRUPDOH
- YHUGH ODPHJJLDQWH DYLLVR
- URVVR ILVVR VSHJQLPHQWR
- URVVR ODPHJJLDQWH EORFFR

'HVFULJLRQH GHOOD VFKHUPDWD SULQF

4XHVD VFKHUPDWD YLHQH YLVXDOLJJDWD DXWRP
O DSSDUHFFKL R TXDQGR LO SDQQHOOR GL FRQV
FRQ LO GLVSOD\ LQ PRGDOLW VWDQG E\ VFKHUP
LQGL ✓ WSR VVLELOH QDYLDJDUH DOO LQWHUQR GH

)LJ ,FRQH YLVXDOLJJDWH VXOOD VFKHUPDWD



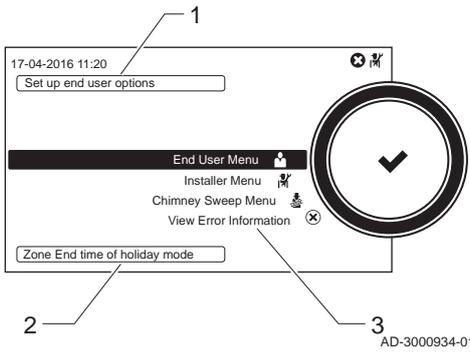
AD-3000933-02

,FRQD LQGLFDQWH OR VWDWR DWWXDOH GHO
LQGLFDWRUH GL HUURUH YLVLELOH VROR VH
'DWD H RUD
5LTXDGUL LQIRUPDWLYL
,QIRUPDJLRQL GHWWDJOLDWH SHU LO ULTXDG

'HVFULJLRQH GHQ PHQX SULQFLSDOH

)LJ 9RFL GHQ PHQX SULQFLSDOH

%UHYH VSLHJDJLRQH GHQ PHQX VHOHJLRQDW
 %UHYH VSLHJDJLRQH GL XQD VSHFLILFD LPSR
 UDPHWUR VH DSSOLFDELOH
 OHQX GLVSRQLELOL



6LJQLILFDWR GHOOH LFRQH YLVXDOL]]D

7DE ,FRQH FKH SRVVRQR HVVHUH YLVXDOL]]DWH VXO GLVSOD\ D VHFRQGD GH

	OHQX XWHQWH		&DOGDLD GL PLFUR FRJHQHUDJLRQH
	OHQX ,QVWDOODWRUH		3RPSD GL FDORUH
	OHQX ,QVWDOODWRUH FKLXVR		%ROOLWRUH VRODUH
	OHQX VSD]]DFDPLQR		&DVFDWD
	OHQX VSD]]DFDPLQR FKLXVR		%UXFLDWRUH GL JDVROLR
	(UURUL		/LYHOOR GL SRWHQJD GHQ EUXFLDWRU RJQL VHJPHQWR UDSSUHVHQWD LO
	,PSRVWDJLRQL VLVWHPD		%UXFLDWRUH DFFHVR
	,QIRUPDJLRQL		%UXFLDWRUH VSHQWR
	\$VVLVWHQJD		5LVFDQGDPHQWR FHQWUDOH DWLWLR
	2UD YLVXDOL]]DWD		5LVFDQGDPHQWR FHQWUDOH LQDWLWLR
	3URJUDPPD RUDUL		\$&6 RQ
	6RYUDVFULWWXUD WHPSRUDQHD (OHQX SRJUDPPD RUDULR		\$&6 RQ
	3URJUDPPD YDFDQJH		\$&6 RII
	ORGDOLW¢ ULVSDUPLR HGHUJHWL		PRGDOLW¢ %RRVW \$&6 DWLWLD
	3URWHJLRQH DQWLJHOR		7XWWH OH JRQH JUXSSL
	3UHVVLQRQH GHOO DFTXD		=RQD JHQHUDOH JUXSSR
	6RQGD WHPHUDWXUD HVWHUQD		6RJLURQR
	3RPSD		&XFLQD
	9DOYROD WULGLUHJLRQDOH		&DPHUD GD OHWWR
	\$VVLHPH FRPSRQHQL \$&6		6WXGLR
	&DOGDLD D JDV		&DQWLQD
,FRQD GL UHJRODJLRQH SHU JRQD GL ULVFDQGDPHQWR JUXSSR			

3ULPD GHOO LQVWDOOD]LRQH

1RUPH VXOO LQVWDOOD]LRQH



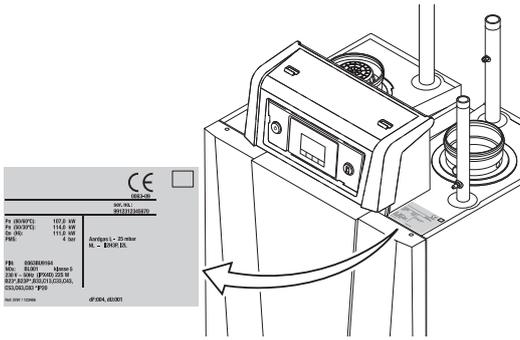
\$YYHUWHQJD

/ LQVWDOOD]LRQH GHOOO FDOGDLD GHYH HVVHU
UH TXDOLILFDWR DL VHQVL GHU UHJRODPHQW

6FHOWD GHORFDOH

7DUJD PDWULFROD

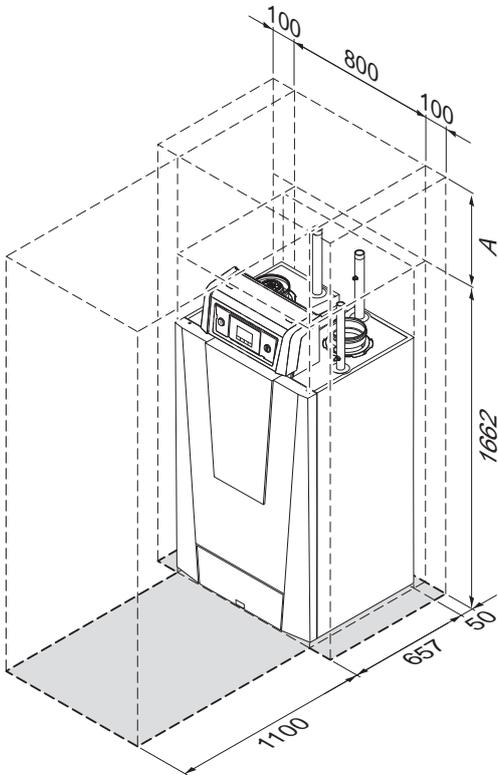
)LJ 3RVL]LRQH GHOOO WDUJDDFODLWVODKHWWD GHU GDWL VLWXDWD VXOOD F
H VSHFLILFKH LPSRUWDQWL GHOOO FDOGDLD DG
GHOO XQLW\$QFKH L FRGLFL GHOOH LPSRVWD]
ULSRUWDWL VXOOD WDUJKHWWD



AD-0001162-01

8ELFD]LRQH GHOOO FDOGDLD

)LJ 'LVWDQJD ULFKLHVWD



AD-0001163-01

\$

PP LQ FDVR GL XWLQ]R GHU ILOWUR GL
FHVVDULR XQ JLRFR GL DOPHQR PP

/H RSHUD]LRQL GL LVSH]LRQH H PDQXWHQ]LRQH V
VRQR UHDQ]DWH GDOOD SDUWH DQWHULRUH 6R
SRUWHOO GL LVSH]LRQH GHOOO VFDPELDWRUH G
H O XVFLWD IXPL VRQR VLWXDWH VXOOD SDUWH D
PHQR GHU SDQQHOOR GL FRQWUROOR VL WURYD
OD FDOGDLD

- 8WLQ]DUH OH OLQHH JXLGD H OR VSD]LR GL LQ
VH SHU GHWHUPLQDUH OD SRVL]LRQH FRUHHWWD
3HU VWDELQHU LO SXQR GL LQVWDOOD]LRQH
QH FRQVHQWLWD GHOOH DSHUWXUH GL XVFLWD
- 9HULILFDUH FKH FL VLD VSD]LR VXIILFLHQWH DW
DFHVVR H XQD VHPSOLFH PDQXWHQ]LRQH



3HULFROR

\$ YLHWDWR FRQVHUYDUH DQFKH WHPSRUDQH
ELOL H VRVWDQ]H DOO LQWHUQR R LQ SURVV



\$WWHQ]LRQH

- /D FDOGDLD GHYH HVVHU LQVWDOODWD LQ
- ,O FROOHJDPHQWR HOHWULFR GHOOO FDOGDLD
PHVVD D WHUUD
- ,Q SURVVLPW\$ GHOOO FDOGDLD GHYH HVVHU
PHQR DOOR VFDULFR DWWUDYHUVR FXL IDU
- \$ ULFKLHVWR XQR VSD]LR WHFQLFR PLQLPR
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VSD]LR GL DOPHQR PP VRSUD DOOD FDOGDLD

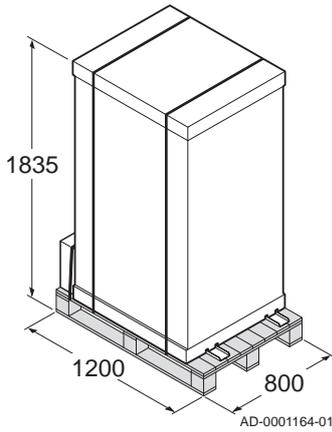


\$WWHQ]LRQH

,Q FDVR GL FROOHJDPHQWR ILVVR GHU FDYR
VHPSUH PRQWDUH XQ LQWHUUXWWRUH SULQF
]D GL DSHUWXUD GHU FRQDWWL DOPHQR SDU

7UDVSRUWR

)LJ &ROOR FDOGDLD



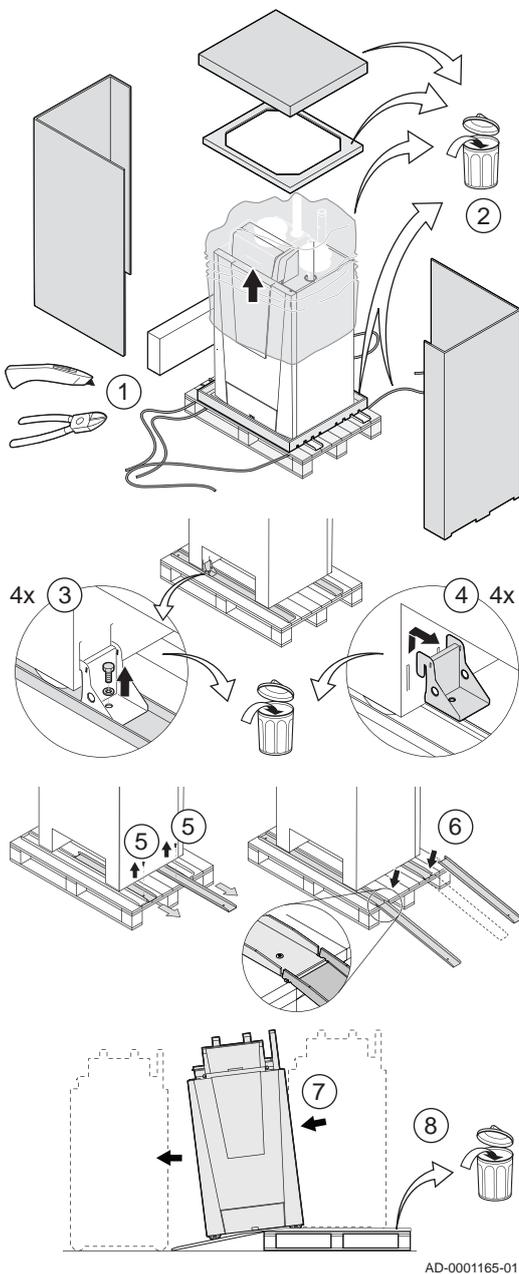
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/D FDOGDLD a GRWDWD GL UXRWH GL WUDVSRUWR DJHYROH

 **\$WWHQ]LRQH**
 /H UXRWH VRQR VWDWH SURJHWWDWH HVFOXVQRQ GHYRQR HVVHUH XWLOL]]DWH TXDQGR OD VXD SRVL]LRQH GHILQLWLYD

'LVLPEDOODJJLR H SUHSDUD]LRQH LQL]LDOH

)LJ 'LVLPEDOODJJLR GHOOD FDOGDLD



7DJOLDUH OH IDVFHWWH GL LPEDOODJJLR H U 5LPXRYHUH O LPEDOODJJLR 6YLWDUH O DQFRUDJJLR GHOOD FDOGDLD VXO 5LPXRYHUH O DQFRUDJJLR GHOOD FDOGDLD 6YLWDUH OH UDPSH GL FDULFR VXO SDOOHW)LVVDUH OH UDPSH GL FDULFR GL IURQWH DO 6SRVWDUH OD FDOGDLD GDO SDOOHW 5LPXRYHUH LO SDOOHW H LO UHVWR GHOO LPE /D FDOGDLD SX' RUD HVVHUH VSRVWDWD JUD]LH D

AD-0001165-01

,QVWDOOD]LRQH

*HQHUDOLW¢



\$YYHUWHQJD

/ LQVWDOOD]LRQH GHOOD FDOGDLD GHYH HVV
UH TXDOLILFDWR DL VHQVL GHU UHJRODPHQW

&ROOHJDPHQWL LGUDXOLFL

5LVFLDFTXR GHOO LPSLDQWR

3ULPD GL SRWHU FROOHJDUH XQD QXRYD FDOGDLD
WH RFFRUUH ODYDUH H VFLDFTXDUH TXHVW XOW
GLWR 7DOH RSHUD]LRQH ^a DVVROXWDPHQWH HVV
VFH D ULPXRYHUH L UHVLGXL GHULYDQWL GDO SU
VDOGDWXUD SURGRWWL GL ILVVDJJLR H FRV® YL
IDQJR H FRV® YLD



,PSRUWDQWH

6FLDFTXDUH O LPSLDQWR FRQ XQD TXDQWLW¢
DO WULSOR GHO VXR YROXPH 6FLDFTXDUH L
DFTXD SDUL R VXSHULRUH D YROWH LO ORU

&ROOHJDPHQWL LQJUHVV R DULD IXPL

/D FDOGDLD ^a LGRQHD SHU LO FROOHJDPHQWR DL
FRQGR OH VHJXHQWL WLSRORJLH G LQVWDOOD]LR



3HU XOWHULRUL LQIRUPD]LRQL YHGHUH
&HUWLILFD]LRQL SDJLQD

&ODVVLILFD]LRQH

4XHVVD FODVVLILFD]LRQH ^a GHVFULWWD LQ GHWV
FRQ

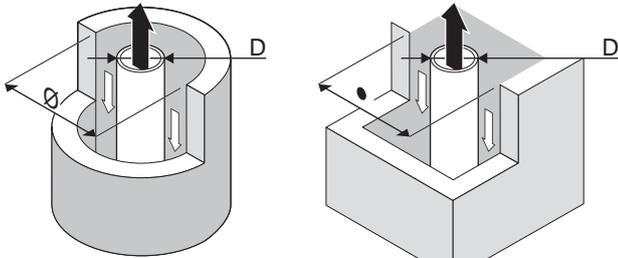
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7LSR	9HUVLRQH	'HVFUL]LRQH
% % 3	\$SHUWD	<ul style="list-style-type: none"> • 6HQJD UHJLVWUR WDJOLDIXRFR • 6FDULFR IXPL GD VRSUD LO WHWWR • \$ULD FRPEXUHQWH QHO ORFDOH GL LQVWDOOD]LRQH
%	\$SHUWD	<ul style="list-style-type: none"> • 6HQJD UHJLVWUR WDJOLDIXRFR • 6FDULFR FRPXQH GHU IXPL GD VRSUD LO WHWWR GHSUHV • 6FDULFR GHU IXPL SXOLWR FRQ DULD DULD SURYHQLHQW FLDOH
&	&KLXVD	<ul style="list-style-type: none"> • 6FDULFR VX SDUHW H VWHUQD • / DSHUWXUD G LQJUHVV R DULD ^a QHOOD VWHVVD]RQD GL XQ SDVVDQWH FRPELQDWR VX SDUHW H VWHUQD
&	&KLXVD	<ul style="list-style-type: none"> • 6FDULFR IXPL DWUDYHUVR LO WHWWR • / DSHUWXUD G LQJUHVV R DULD ^a QHOOD VWHVVD]RQD GL XQ SDVVDJJLR FRQFHQWULFR VX WHWWR
&	&KLXVD FDFV	<ul style="list-style-type: none"> • DWQGRWWR GL LQJUHVV R DULD H GL VFDULFR GHU IXPL FR - &RQFHQWULFR SUHIHULELOPHQWH - 3DUDOOHOR VH FRQFHQWULFR QRQ ^a SRVVLELOH • &DVFDWD LQ VRYUDSUHVVLQRH

7LSR	9HUVLRQH	'HVFUL]LRQH
&	&KLXVD	<ul style="list-style-type: none"> • 8QLWϕ FKLXVD • &RQGRWWR GL LQJUHVVVR DULD VHSDUDWR • &RQGRWWR GL VFDULFR GHV IXPL VHSDUDWR • 6FDULFR LQ GLYHUVH]RQH GL SUHVVLQRH
&	&KLXVD	<ul style="list-style-type: none"> • 4XHVWR WLSR GL XQLWϕ ^a IRUQLWR GDO FRVWUXWWRUH V
&	&KLXVD	<ul style="list-style-type: none"> • / DSSDUHFFKLR SX' HVVHUH FROOHJDWR D XQ VLVWHPD Q FRPXQH H LQJUHVVVR DULD LQGLYLGXDOH
&	&KLXVD	<ul style="list-style-type: none"> • &RQGRWWR GL LQJUHVVVR DULD H GL VFDULFR GHV IXPL Q - &RQFHQWULFR - ,QJUHVVVR DULD GDO FRQGRWWR HVLVWHQWH - 6FDULFR IXPL DWUDYHUVR LO WHWWR - / DSHUWXUD G LQJUHVVVR DULD ^a QHOOD VWHVVD]RQD G
<p>\$QFKH FDWHJRULD GL SUHVVLQRH 3 (1 PEDU DVSLUD]LRQH WUDPLWH GHSUHVVLQRH 3X' YHULILFDUVL XQD GHSUHVVLQRH GL PEDU 9HGHH OD WDEHOOD SHU OH GLPHQVLRQL PLQLPH GHV FDYHGLR R GHV FRQGRWWR</p>		

■ 'LPHQVLRQL GHV FRQGRWWR

)LJ 'LPHQVLRQL PLQLPH GHV FDYHGLR R FRQGRWWR



AD-3000330-01

7DE 'LPHQVLRQL GHV FRQGRWWR

7LSR	9HUVLRQH	'LDPHWUR	'LPHQVLRQL PLQLPH GHV FDYHGLR R FRQGRWWR			
			6HQ]D LQJUHVVVR DULD		RQ LQJUHVVVR DULD	
			š FRQGRWWR	FRQGRWWR	FRQGRWWR	FRQGRWWR
&	5LJLGD	PP	PP	[PP	PP	[PP
		PP	PP	[PP	PP	[PP
		PP	PP	[PP	PP	[PP
&)OHVVLELOH	PP	PP	[PP	PP	[PP
		PP	PP	[PP	PP	[PP
		PP	PP	[PP	PP	[PP
&	&RQFHQWULFR	PP	PP	[PP		
		PP	PP	[PP		

8VFLWH

'HYRQR HVVHUH DGRWDDWL VLVWHPL GL IXPL SD
 GHV VHJXHQL SURGXWWRUL

- &R[*HHOHQ
- 0XHOLQN *URO



,PSRUWDQWH

6H OH QRUPH SUHVFULYRQR O LQVWDOOD]LRQ
 FR XWLOL]]DUQH XQD LGRQHD LQ DFFDLR LG

6RQR LQROWUH GLVSRQLELOL NLW GL SDVVDQWL
SHU FLDVFXQD FDOGDLD



,PSRUWDQWH

&RQWDWWDWHFL SHU XOWHULRUL LQIRUPD]LR

ODWHULDOH



\$YYHUWHQJD

- , PHWRGL GL DFFRSSLDPHQWR H FROOHJDPH
EDVH DO SURGXWWRUH 1RQ^a FRQVHQWLWR
QH PHWRGL GL DFFRSSLDPHQWR H FROOHJDPH
SURGXWWRUL
- , PDWHULDOL XWLOL]]DWL GHYRQR HVVHUH F
VWDQGDUG YLJHQWL

7DE ODWHULDOL GHOH WXED]LRQL GL XVFLWD O

3URJHWWR	ODWHULDOH
ORQRSDUHHW ULJLGD	<ul style="list-style-type: none"> • \$OOXPLQLR GL DOWR VSHV • 3ODVWLFD 7 • \$FFDLR LQRVVLGDELOH
)OHVVLELOH	<ul style="list-style-type: none"> • 3ODVWLFD 7 • \$FFDLR LQRVVLGDELOH
/D WHQXWD GHYH HVVHUH FRQIRUPH DOOD FODVVH &RQ PDUFDWXUD &(

7DE ODWHULDOL GHO WXER GL LQJUHVVH GHOO I

9HUVLRQH	ODWHULDOH
ORQRSDUHHW ULJLGD	<ul style="list-style-type: none"> • \$OOXPLQLR • 3ODVWLFD • \$FFDLR LQRVVLGDELOH
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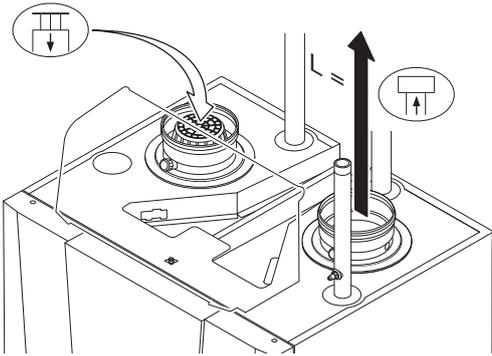
/XQJKH]]H GH L WXEL DULD H IXPL

i ,PSRUWDQWH

- 4XDQGR VL XWLOL]]DQR GH L UDFFRUGL D JR PD GHOD FDQQD IXPDULD / GHYH HVVHUH WDEHOOD GL ULGX]LRQH
- /D FDOGDLD ^a DGDWWD DQFKH SHU FDQQH IX GLDPHWUR GLYHUVR GD TXHOOL LQGLFDWL C XOWHULRUL LQIRUPD]LRQL

■ 9HUVLRQH SHU ORFDOL YHQWLODWL %

)LJ 9HUVLRQH SHU ORFDOL YHQWLODWL 8YFLWD IXPL



AD-0001169-01

8YFLWD IXPL ,QJUHVV R DULD

1HO FDVR GL XQD YHUVLRQH FRQ YHQWLOD]LRQH DULD ULPDQH DSHUWD YLHQH FROOHJDWD VROR PRGR OD FDOGDLD ULFHYH OD QHFHVVDULD DULD UHD GL LQVWDOOD]LRQH 8WLOL]]DUH GHJOL DGD VFDULFR IXPL H GL LQJUHVV R DULD FRQ GLDPHWU

! \$WWHQ]LRQH

- / DSHUWXUD GL LQJUHVV R DULD GHYH UHV
- / DUHD GL LQVWDOOD]LRQH GHYH HVVHUH G DSHUWXUH GL LQJUHVV R DULD 4XHVWH DSH RVWUXLWH R FKLXVH
- 6H OD FDOGDLD GXUDQWH LO IXQ]LRQDPHQV ELHQWH ^a VWDWD PRQDWD LQ XQD FDPHUD]DUH LO ILOWUR GL DOLPHQWD]LRQH GHOO D
- / XVR GH O ILOWUR GL LQJUHVV R DULD ^a REE HVS RVWD D SROYHUL GL FDQWLHUL

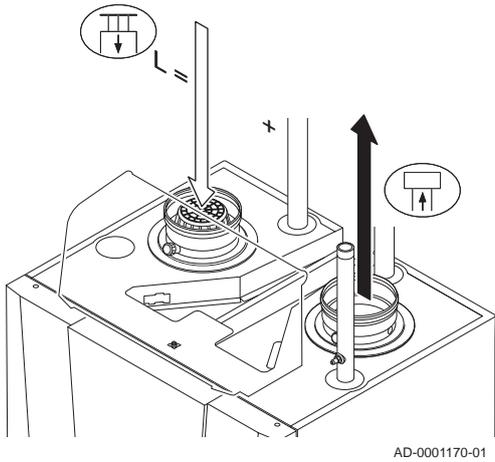
7DE /XQJKH]]D PDVVLPD GHOD FDQQD IXPDULD

'LDPHWUR		PP	PP	PP	PP
*DV	\$FH	P	P	P	P
*DV	\$FH	P	P	P	P
*DV	\$FH	P	P	P	P
*DV	\$FH	P	P	P	P

ODQWHQHQR OD OXQJKH]]D PDVVLPD GH L FRQGRWV FDUH JRPLWL VXSSOHPHQWDUL YROWH D]R YP

■ 9HUVLRQH VLJLLOODWD &

)LJ 9HUVLRQH VLJLLOODWD



8VFLWD IXPL
,QJUHVVUR DULD

1HO FDVR GHOOD YHUVLRQH SHU ORFDOL VLJLLOODWD
DSHUWXUH GL XVFLWD IXPL H GL LQJUHVVUR DULD
DGDWWDWRUL TXDQGR VL LPSLHJDQR WXEL GL VF
GLDPHWUR GLYHUVR GD R PP

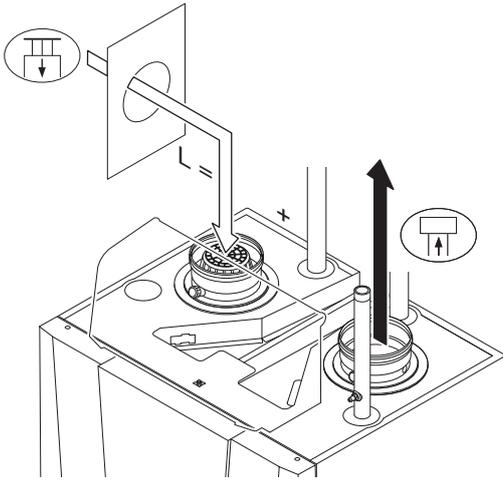
7DE /XQJKH]]D PDVVLPD GHOOD FDQQD IXPDULD

'LDPHWUR		PP	PP	PP	PP
*DV \$FH		P	P	P	P
*DV \$FH			P	P	P
*DV \$FH				P	P
*DV \$FH				P	P

ODQWHQHQR OD OXQJKH]]D PDVVLPD GHL FRQGRW
FDUH JRPLWL VXSSOHPHQWDUL YROWH D R YR

■ &ROOHJDPHQWR LQ GLYHUVH &RQH GL SUHVVR

)LJ 'LYHUVH]RQH GL SUHVVR



&ROOHJDPHQWR GHOO XVFLWD IXPL
&ROOHJDPHQWR GHOO LQJUHVVUR DULD

/ LQJUHVVUR GHOO DULD FRPEXUHQWH H OR VFDUL
VH]RQH GL SUHVVR H FRQ VLVWHPL SDUJLDO
]RQH FRVWLHUH ,O GLVOLYHOOR DOWH]]D PDVVLP
ULD FRPEXUHQWH H O XVFLWD GHL IXPL a P

7DE /XQJKH]]D PDVVLPD GHOOD FDQQD IXPDULD

'LDPHWUR		PP	PP	PP	PP
*DV \$FH		P	P	P	P
*DV \$FH		P	P	P	P
*DV \$FH			P	P	P
*DV \$FH			P	P	P

ODQWHQHQR OD OXQJKH]]D PDVVLPD GHL FRQGRW
JRPLWL VXSSOHPHQWDUL YROWH D R YROWH

■ 7DEHOOD GHOOD ULGXJLRQL

7DE 5LGXJLRQH GHO WXER SHU RJQL HOHPHQWR XWLLOL]]DWR SDUDOOHOR

'LDPHWUR		PP	PP	PP	PP	PP	PP
&XUYD r		P	P	P	P	P	
&XUYD r		P	P	P	P	P	

7DE 5LGXJLRQH GHO WXER SHU RJQL HOHPHQWR XWLLOL]]DWR FRDVVLDOR

'LDPHWUR		PP	PP	PP
&XUYD r		P	P	P
&XUYD r		P	P	P

/LQHH JXLGD DJJLXQWLYH

- 3HU LQVWDOODUH L PDWHULDOL GHOO XVFLWD I PHQWR DOOH LVWUXJLRQL GHO UHODWLYR SURG H GHOO LQJUHVVVR DULD QRQ YHQJRQR LQVWDOO HVHPSLR QRQ VRQR D WHQXWD R QRQ YHQJRQR VRQR YHULILFDUVL VLWXDJLRQL SHULFRORVH H ODJLRQH YHULILFDUH FRPH PLQLPR OD WHQXWD H GHOO LQJUHVVVR DULD
- 1RQ^a FRQVHQWLWR FROOHJDUH GLUHWWDPHQWH UDOL D FDXVD GHOOD FRQGHQVD
- 3XOLUH VHPSUH DFFXUDWDPHQWH L FRQGRWWL FLD H R XQ FROOHJDPHQWR LQJUHVVVR DULD
- 'HYH SRWHU HVVHUH SRVVLELOH FRQWUROODUH
- 6H OD FRQGHQVD SURYHQLHQWH GD XQD VHJLRQ LQRVVLGDELOH SX' ULIOXLUH LQ XQD VHJLRQH L FRQGHQVD GHYH HVVHUH VFDULFDWD WUDPLWH JHUH OD VHJLRQH LQ DOOXPLQLR
- ,Q SUHVHQJD GL WUDWWL SL» OXQJKL GL WXER L UH LQLJLDOPHQWH SUHYHGHUH LQVLPH D TXHO UHODWLYDPHQWH HOHYDWR GL SURGRWWL GL FR ULFR 3XOLUH FRQ UHJRODULWç LO VLIRQH GHO QLWç XQ FROOHWWRUH DJJLXQWLYR GL UDFFRV
- \$FFHUWDUVL FKH LO WXER GHOO XVFLWD IXPL G GLHQWH VXIILFLHQWH DOPHR PP DO PHWUR OHWWRUH H XQR VFDULFR GHOOD FRQGHQVD DG VFLWD GHOOD FDOGLD , UDFFRUGL D JRPLWR SHULRUL D r SHU JDUDQWLUH XQ JUDGLHQWH V OLYHOOR GHOOH JXDUQLJLRQL D ODEEUR

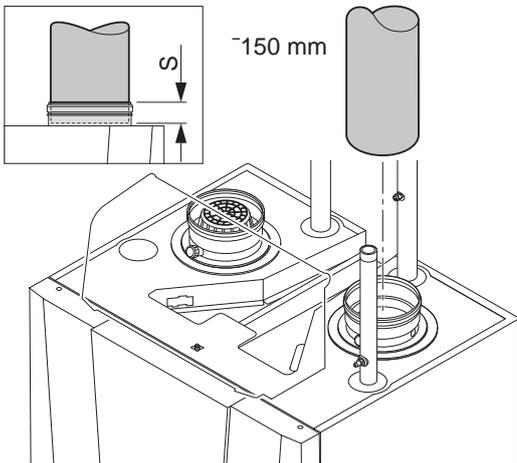


,PSRUWDQWH

&RQWDWWDWHFL SHU XOWHULRUL LQIRUPDJLR

&ROOHJDPHQWR GHOO XVFLWD IXPL

)LJ &ROOHJDPHQWR GHOO XVFLWD IXPL



AD-0001172-01

6 3URIRQGLWç GL LQVHULPHQWR PP

ORQWDUH LO WXER GL XVFLWD GHL IXPL VXOO
ORQWDUH L VXFFHVVLYL WXEL GL XVFLWD GHL
QL

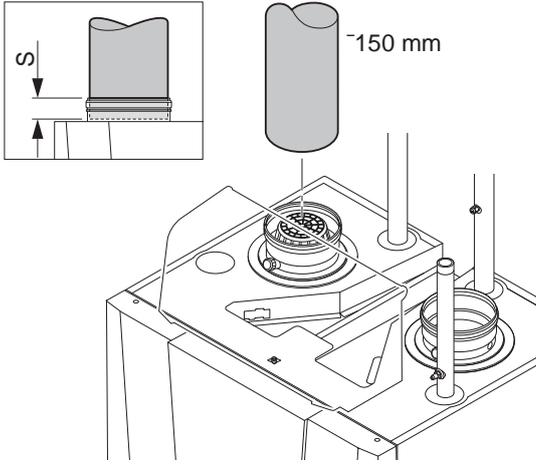


\$WWHQJLRQH

- , WXEL GHYRQR HVVHUH D WHQXWD GL IXPL
- ,O WXER GL XVFLWD GHL IXPL GHYH HVVHUH
- &ROOHJDUH L WXEL LQ PRGR FKH QRQ VLDQR QL
- , WXEL QRQ GHYRQR SRJJLDUH VXOOD FDOGL
- ORQWDUH OH SDUWL RULJJRQWDOL LQFOLQDO XQD SHQGHQJD GL PP DO PHWUR

&ROOHJDPHQWR GHOO LQJUHVVVR DULD

)LJ &ROOHJDPHQWR GHOO LQJUHVVVR DULD



AD-0001173-01



\$WWHQ]LRQH

- , WXEL GHYRQR HVVHUH D WHQXWD G DULD H
- ,O WXER GL LQJUHVVVR DULD GHYH HVVHUH S WXUH
- &ROOHJDUH L WXEL LQ PRGR FKH QRQ VLDQR QL
- , WXEL QRQ GHYRQR SRJJLDUH VXOOD FDOGR
- 0RQWDUH OH SDUWL RUL]]RQWDOL LQFOLQDQ JUHVVVR DULD

&ROOHJDPHQWL HOHWWULFL

5DFFRPDQGD]LRQL



\$YYHUWHQ]D

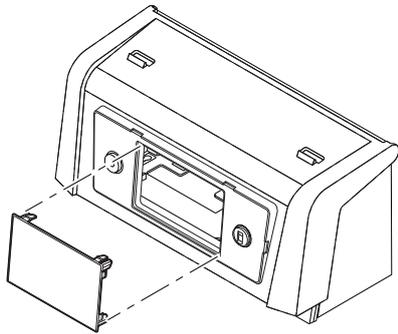
- , FROOHJDPHQWL HOHWWULFL GHYRQR VHPS PHQWD]LRQH VWDFFDWD H VROR GD SHUVRQ
- /D FDOGDLD a FRPSOHWDPHQWH SUHFDEODW FROOHJDPHQWL LQWHUQL GHQ SDQQHOOR G
- \$VVLFXUDUWL GL FUHDUH XQ FROOHJDPHQWL O HOHWWULFLW

6WDELOLUH L FROOHJDPHQWL HOHWWULFL LQ FRQ

- /H SUHVFUL]LRQL GHOOH QRUPH LQ YLJRUH
- /H LQGLFD]LRQL GHJOL VFKHPL HOHWWULFL LQ G
- /H UDFFRPDQGD]LRQL FRQWHQXWH LQ TXHVWR P
- 6HSDUDUH L FDYL VRQGD GDL FDYL GL FLUFXLWF

0RQWDJJLR GHQ SDQQHOOR GL FRQWUR

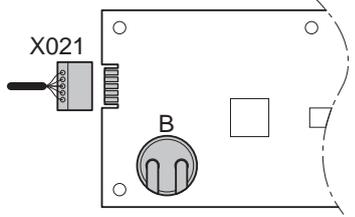
)LJ \$OORJJLDPHQWR SDQQHOOR GL FRQWUR



AD-0001175-01

ORGL FRQWUR a IRUQLWD FRQ XQ SDQQHOOR SDQQHOOR GL FRQWUROOR a ILVVDWR QHOO DSSR GLHWUR DO SDQQHOOR GL FRQWUR a IRUQLWD FRQ YHUVR LO SLQ GHQ FRQQHWWRUH SLQ 9 GHQ

)LJ 6FKHGD HOHWWURQLFD



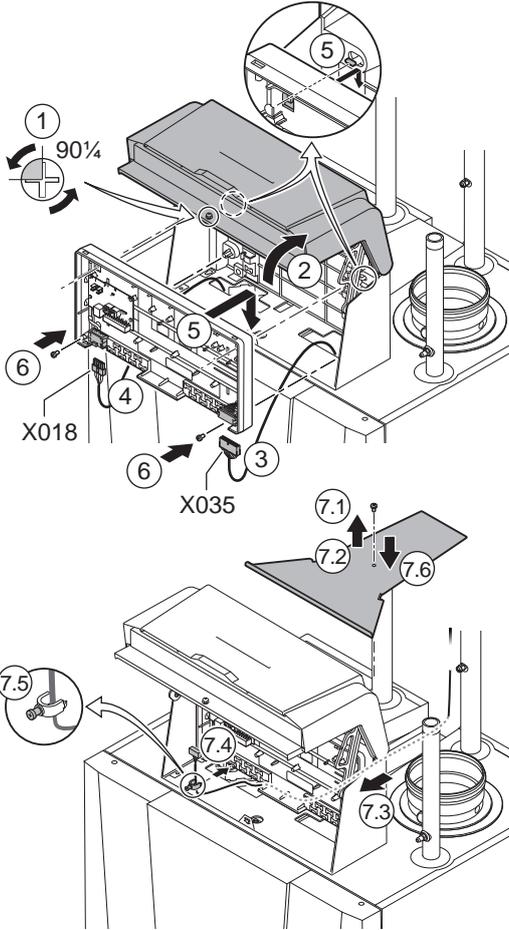
AD-0001300-01

% %DWWHULD

,O 3&% a DQFKH FRUHGWDWR GD XQD EDWWHULD G
 6H OD GDWD H O RUD QRQ YHQJRQR YLVXDOL]]DW
 WHQVLRQH GHOOD EDWWHULD

,QVWDOODJLRQH GHOOD VFDWROD GHL

)LJ ,QVWDOODJLRQH H FRQQHVDLVRQV GHOOD GHL FROOHJDPHQWL
 VFDWROD GHL FROOHJDPHQWL SHU FRQQHVLRQL HVWHUQH /D VFDWROD G
 VHULH FRQ OD FDOGLD 8WLQ]]DUH L FDYL GL F
 VFDWROD GHL FROOHJDPHQWL DO SDQQHOOR GL F



AD-0001176-01

6YLWDUH OD YLWH GL ILVVDJJLR SRVL]LRQDW
 JLDPHQWR
 \$SULUH OR VSRUWHOOR DQWHULRUH GHOO DO
 &ROOHJDUH LO FDYR GD FRQVWUXFWWR GD
 &ROOHJDUH LO FDYR GD FRQVWUXFWWR GD
 3RVL]LRQDUH OD VFDWROD GHL FROOHJDPHQW
 GL PRQWDJJLR QHOOR DOORJJLDPHQWR
 6SLQJHUH DWWHQWDPHQWH OD VFDWROD FRQ
 UH OH GXH YLWL
 &ROOHJDUH RUD OH XQLW GL FRQWUROOR HV
 QHWRUL 3URFHGHUH FRPH VHJXH
 - 6YLWDUH OD YLWH GL ILVVDJJLR SUHVHQWH
 SDVVDFDYR
 - 5LPXYHUH OD PDVFKHUD
 - ,QVHULUH LO FDYR GHL FRQWUROORUL HVWH
 SDVVDFDYR
 - 6WHQGHUH LO FDYR VRWR OD JUDIID GL EO
 -)LVVDUH FRQ GHFLVLRQH OD JUDIID GL EORF
 - 6RVWLWXLUH OD PDVFKHUD SURWHWWLYD GH
 ILVVDJJLR
 &KLXGHUH OR VSRUWHOOR DQWHULRUH GHOO
 \$YYLWDUH QXRYDPHQWH OD YLWH GL ILVVDJJL
 ULRUH GHOO DOORJJLDPHQWR

5LHPSLPHQWR GHOO LPSLDQWR

7UDWWDPHQWR GHOO DFTXD

1HOOD PDJJLRU SDUWH GHV FDVL OD FDOGDLD H WUDOLJJDWR SRVVRQR HVVHUH ULHPSLWL FRQ QR VDUQ QHFHVVDULR DOFXQ WUDWWDPHQWR GHOO D



\$YYHUWHQJD

1RQ DJJLXQJHUH SURGRWWL FKLPLFL DOO DF FRQVXOWPHQW HVHPSLR DQWLJHOR DGGROF SURGRWWL SHU DXPHQWUH R ULGXUUH LO S 7DOL DJHQWL SRVVRQR FDXVDUH HUURUL GH ELDWRUH SULPDULR



,PSRUWDQWH

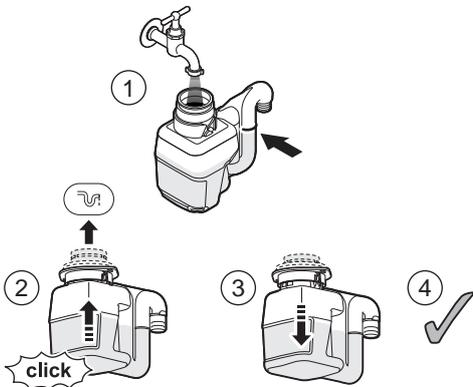
- ,O S+ GHOO DFTXD SUHVHQWH QHOO LPSLDQWR IUD H SHU O DFTXD QRQ WUDWWDWD H IUWD
- /D GXUHJJD PDVVLPD GHOO DFTXD SUHVHQWH VHUH FRPSUHVD IUD H rG+ D VHFRQG PLFD JHQHUDWD
- 8OWHULRUL LQIRUPDJLRQL VR, QVWGXLSRQLLFX TXDOLWQ GHOO DFTXD VHPSUH OH LVWUXJ GRFXPHQWR VRSUD FLWDWR

5LHPSLPHQWR GHV VLIRQH

,O VLIRQH YLHQH IRUQLWR VHSUDWDWDPHQWH GL V IOHVLELOH GL VFDULFR LQ SODVWLFD 0RQWDU

)LJ 5LHPSLPHQWR GHV VLIRQH

5LHPSLUH LO VLIRQH GL DFTXD ILQR DO VHJQR 3UHPHUH FRQ GHFLVLRQH LO VLIRQH GHV VLIRQH VSRUWHOOR VRWR OD FDOGDLD => / LQQHVWR GHV VLIRQH a FRQIHUPDWR FRQ X 7LUDUH FRQ FDXWHOD LO VLIRQH YHUVR LO ED &RQWUROODUH FKH LO VLIRQH VLD PRQWDR QHOOD FDOGDLD



AD-0000231-02



3HULFROR

,O VLIRQH GHYH HVVHUH VHPSUH ULHPSLWR D TXHVWR PRGR VL LPSHGLVFH O LQJUHVVH GH

5LHPSLPHQWR GHOO LPSLDQWR



,PSRUWDQWH

3HU SRWHU OHJJHUH OD SUHVVLQRH LGUDXOL QHFHVVDULR DFFHQGHUH OD FDOGDLD 6H OD WURSSR EDVVD OD FDOGDLD R OD UHODWLYD

5LHPSLUH O LPSLDQWR GL ULVFDQGDWDPHQWR F WH SXOLWD



,PSRUWDQWH

/D SUHVVLQRH GHOO DFTXD UDFRQDQGDWD a

9HULILFDUH OD WHQXWD GHV FROOHJDPHQWL

0HVVD LQ VHUYLJLR

5HJROD]LRQL YDOYROD JDV

5HJROD]LRQH SHU XQ DOWUR WLSR GL



\$YYHUWHQJD

/H RSHUD]LRQL VRWWRHOHQFDWH GHYRQR HV
WHFQLFR TXDOLILFDWR

/ LPSRVWD]LRQH GL IDEEULFD GHOOD FDOGDLD SU
QDWXUDOH GHO JUXSSR * JDV +

3ULPD GL RSHUDUH FRQ XQ DOWUR WLSR GL JDV
ORQWUDUH LO GLDIUDPPD QHOOD YDOYROD JDV
FDWD*SHU EXWDQR SURSDQR

7DE 'LDIUDPPD JDV SHU * * EXWDQR SURSDQR

'LDIUDPPD JDV SHU * *	EXWDQR SURSDQR
*DV \$FH	

7DE 'LDIUDPPD JDV SHU * * EXWDQR SURSDQR

'LDIUDPPD JDV SHU * *	EXWDQR SURSDQR
*DV \$FH	

7DE 'LDIUDPPD JDV * SURSDQR

'LDIUDPPD JDV * SURSDQR	° PP
*DV \$FH	

0HVVD LQ VHUYLJLR

,PSRVWDUH OD YHORFLWc GHO YHQWLQDWRUH
QHFHVVDULR / LPSRVWD]LRQH SX' HVVHUH P
SDUDPHWQR ,QVWDSURFMRUR GL LQVWDOOD]LR
:+% +(!*DV ILUHG KHDDUJERHWUL FRQWDV
VHJQDQWDPHWUL

7DE ,PSRVWD]LRQL GL IDEEULFD * JDV +

&RGLFH7HVWR YLVXD	OHYBWR]LRQH	*DPPD				
'3	9HO PD[YHQW]GDRFLWc PDVVLPD GHO \$SRWLQDWRUH LQ SURGX]LRQH \$&6					
*3	*,5, 0,1 OD[5L]VHORFLWc PDVVLPD YHQW]SRDWR]SRPLQ PRGDOLWc 5LVFDOGD PHQWR					
*3	*,5, 0,1 OLQ9H]QWDRFLWc PLQLPD YHQW]SRDWR]SRPLQ PRGDOLWc 5LVFDOGD PHQWR \$FTXD &DOGD 6DQLWDULD					
*3	*,5, 0,1 YHQW]MHORFLWc YHQWLQDWRUH]SRDWR]SRPLR GHOO DSSDUHFFKLR					

7DE 5HJROD]LRQH SHU JDV GL WQ\$RR* JDV +

&RGLFH7HVWR YLVXD	OHYBWR]LRQH	*DPPD				
'3	9HO PD[YHQW]GDRFLWc PDVVLPD GHO \$SRWLQDWRUH LQ SURGX]LRQH \$&6					
*3	*,5, 0,1 OD[5L]VHORFLWc PDVVLPD YHQW]SRDWR]SRPLQ PRGDOLWc 5LVFDOGD PHQWR					
*3	*,5, 0,1 OLQ9H]QWDRFLWc PLQLPD YHQW]SRDWR]SRPLQ PRGDOLWc 5LVFDOGD PHQWR \$FTXD &DOGD 6DQLWDULD					
*3	*,5, 0,1 YHQW]MHORFLWc YHQWLQDWRUH]SRDWR]SRPLR GHOO DSSDUHFFKLR					

7DE 5HJROD]LRQH SHU JDV GL WLSR* JDV +

&RGLFH7HVWR YLVXD	OHYBWR]LRQH	*DPPD				
'3	9HO PD[YHQW]GDRFLWc PDVVLPD GHO \$SRWLQDWRUH LQ SURGX]LRQH \$&6					
*3	*,5, 0,1 OD[5L]VHORFLWc PDVVLPD YHQW]SRDWR]SRPLQ PRGDOLWc 5LVFDOGD PHQWR					
*3	*,5, 0,1 OLQ9H]QWDRFLWc PLQLPD YHQW]SRDWR]SRPLQ PRGDOLWc 5LVFDOGD PHQWR \$FTXD &DOGD 6DQLWDULD					
*3	*,5, 0,1 YHQW]MHORFLWc YHQWLQDWRUH]SRDWR]SRPLR GHOO DSSDUHFFKLR					

7DE 5HJROD]LRQH SHU JDV GL WLSR * JDV /

&RGLFH7HVWR YLVXD	OHYBWR]LRQH	*DPPD				
'3	9HO PD[YHQW]GDRFLWc PDVVLPD GHO \$SRWLQDWRUH LQ SURGX]LRQH \$&6					
*3	*,5, 0,1 OD[5L]VHORFLWc PDVVLPD YHQW]SRDWR]SRPLQ PRGDOLWc 5LVFDOGD PHQWR					
*3	*,5, 0,1 OLQ9H]QWDRFLWc PLQLPD YHQW]SRDWR]SRPLQ PRGDOLWc 5LVFDOGD PHQWR \$FTXD &DOGD 6DQLWDULD					

&RGLFH	7HVWR YLVXD	OHYBWRJLRQH	*DPPD				
*3	*,5,0,1 YHQW	9HODRFLW¢ YHQWLODWRUBSDPOO B\$PLR GHOO DSSDUHFFKLR					

7DE 5HJROD]LRQH SHU JDV GL WLSR * JDV 6

&RGLFH	7HVWR YLVXD	OHYBWRJLRQH	*DPPD				
'3	9HO PD[YHQW	9HODRFLW¢ PDVVLPD GHO \$BQWLODWRUBH LQ SURGX]LRQH \$&6					
*3	*,5,0,1 OD[5L	9HODRFLW¢ PDVVLPD YHQWLODWRUBH LQ PRGDOLW¢ 5LVFDOGD PHQWR					
*3	*,5,0,1 0LQ9H	9HODRFLW¢ PLQLPD YHQWLODWRUBH LQ PRGDOLW¢ 5LVFDOGD PHQWR \$FTXD &DOGD 6DQLWDULD					
*3	*,5,0,1 YHQW	9HODRFLW¢ YHQWLODWRUBSDPOO B\$PLR GHOO DSSDUHFFKLR					

7DE 5HJROD]LRQH SHU JDV GL WLSR * * EXWDQR SURSDQR

&RGLFH	7HVWR YLVXD	OHYBWRJLRQH	*DPPD				
'3	9HO PD[YHQW	9HODRFLW¢ PDVVLPD GHO \$BQWLODWRUBH LQ SURGX]LRQH \$&6					
*3	*,5,0,1 OD[5L	9HODRFLW¢ PDVVLPD YHQWLODWRUBH LQ PRGDOLW¢ 5LVFDOGD PHQWR					
*3	*,5,0,1 0LQ9H	9HODRFLW¢ PLQLPD YHQWLODWRUBH LQ PRGDOLW¢ 5LVFDOGD PHQWR \$FTXD &DOGD 6DQLWDULD					
*3	*,5,0,1 YHQW	9HODRFLW¢ YHQWLODWRUBSDPOO B\$PLR GHOO DSSDUHFFKLR					

7DE 5HJROD]LRQH SHU JDV GL WLSR *6YE]]HBDWDQR SURSDQR

&RGLFH	7HVWR YLVXD	OHYBWRJLRQH	*DPPD				
'3	9HO PD[YHQW	9HODRFLW¢ PDVVLPD GHO \$BQWLODWRUBH LQ SURGX]LRQH \$&6					
*3	*,5,0,1 OD[5L	9HODRFLW¢ PDVVLPD YHQWLODWRUBH LQ PRGDOLW¢ 5LVFDOGD PHQWR					
*3	*,5,0,1 0LQ9H	9HODRFLW¢ PLQLPD YHQWLODWRUBH LQ PRGDOLW¢ 5LVFDOGD PHQWR \$FTXD &DOGD 6DQLWDULD					
*3	*,5,0,1 YHQW	9HODRFLW¢ YHQWLODWRUBSDPOO B\$PLR GHOO DSSDUHFFKLR					

7DE 5HJROD]LRQH SHU JDV GL WLSR * SURSDQR

&RGLFH	7HVWR YLVXD	OHYBWRJLRQH	*DPPD				
'3	9HO PD[YHQW	9HODRFLW¢ PDVVLPD GHO \$BQWLODWRUBH LQ SURGX]LRQH \$&6					
*3	*,5,0,1 OD[5L	9HODRFLW¢ PDVVLPD YHQWLODWRUBH LQ PRGDOLW¢ 5LVFDOGD PHQWR					
*3	*,5,0,1 0LQ9H	9HODRFLW¢ PLQLPD YHQWLODWRUBH LQ PRGDOLW¢ 5LVFDOGD PHQWR \$FTXD &DOGD 6DQLWDULD					

&RGLFH7HVWR YLVXD	OHVYBWRJLRQH	*DPPD				
*3	*,5,0,1 YHQW DMORFLWç YHQWLODWRUBSDPOO B\$PLR GHOO DSSDUHFFKLR					

7DE 5HJRODJLRQH VRYUDSUHVVLQRH &/9 GL 3D SHU JDV GL WLSR * JDV +

&RGLFH7HVWR YLVXD	OHVYBWRJLRQH	*DPPD				
*3	*,5,0,1 0LQ9H QWDRFLWç PLQLPD YHQWLODWRUBSDPOO B\$PLR PRGDOLWç 5LVFDOGD PHQWR \$FTXD &DOGD 6DQLWDULD					

7DE 5HJRODJLRQH VRYUDSUHVVLQRH &/9 GL 3D SHU JDV GL WLSR * JDV +

&RGLFH7HVWR YLVXD	OHVYBWRJLRQH	*DPPD				
*3	*,5,0,1 0LQ9H QWDRFLWç PLQLPD YHQWLODWRUBSDPOO B\$PLR PRGDOLWç 5LVFDOGD PHQWR \$FTXD &DOGD 6DQLWDULD					
*3	*,5,0,1 YHQW DMORFLWç YHQWLODWRUBSDPOO B\$PLR GHOO DSSDUHFFKLR					

7DE 5HJRODJLRQH VRYUDSUHVVLQRH &/9 GL 3D SHU JDV GL WLSR * JDV +

&RGLFH7HVWR YLVXD	OHVYBWRJLRQH	*DPPD				
*3	*,5,0,1 0LQ9H QWDRFLWç PLQLPD YHQWLODWRUBSDPOO B\$PLR PRGDOLWç 5LVFDOGD PHQWR \$FTXD &DOGD 6DQLWDULD					

7DE 5HJRODJLRQH VRYUDSUHVVLQRH &/9 GL 3D SHU JDV GL WLSR * JDV +

&RGLFH7HVWR YLVXD	OHVYBWRJLRQH	*DPPD				
*3	*,5,0,1 0LQ9H QWDRFLWç PLQLPD YHQWLODWRUBSDPOO B\$PLR PRGDOLWç 5LVFDOGD PHQWR \$FTXD &DOGD 6DQLWDULD					
*3	*,5,0,1 YHQW DMORFLWç YHQWLODWRUBSDPOO B\$PLR GHOO DSSDUHFFKLR					

7DE 5HJRODJLRQH VRYUDSUHVVLQRH &/9 GL 3D SHU JDV GL WLSR * JDV +

&RGLFH7HVWR YLVXD	OHVYBWRJLRQH	*DPPD				
*3	*,5,0,1 0LQ9H QWDRFLWç PLQLPD YHQWLODWRUBSDPOO B\$PLR PRGDOLWç 5LVFDOGD PHQWR \$FTXD &DOGD 6DQLWDULD					

7DE 5HJRODJLRQH VRYUDSUHVVLQRH &/9 GL 3D SHU JDV GL WLSR * JDV +

&RGLFH7HVWR YLVXD	OHVYBWRJLRQH	*DPPD				
*3	*,5,0,1 0LQ9H QWDRFLWç PLQLPD YHQWLODWRUBSDPOO B\$PLR PRGDOLWç 5LVFDOGD PHQWR \$FTXD &DOGD 6DQLWDULD					
*3	*,5,0,1 YHQW DMORFLWç YHQWLODWRUBSDPOO B\$PLR GHOO DSSDUHFFKLR					

7DE 5HJRODJLRQH VRYUDSUHVVLQRH &/9 GL 3D SHU JDV GL WLSR * JDV /

&RGLFH	7HVWR	YLVXD	OHYBWRJLRQH	*DPPD				
*3	*,5, 0,1	0LQ9H	QWQRFW¢ PLQLPD YHQW5DPWR5BRLQ PRGDOLW¢ 5LVFDOGD PHQWR \$FTXD &DOGD 6DQLWDULD					

7DE 5HJRODJLRQH VRYUDSUHVVLQRH &/9 GL 3D SHU JDV GL WLSR * JDV /

&RGLFH	7HVWR	YLVXD	OHYBWRJLRQH	*DPPD				
*3	*,5, 0,1	0LQ9H	QWQRFW¢ PLQLPD YHQW5DPWR5BRLQ PRGDOLW¢ 5LVFDOGD PHQWR \$FTXD &DOGD 6DQLWDULD					
*3	*,5, 0,1	YHQW	DMORFLW¢ YHQWLQDWRUBSDPOO B\$PLR GHOO DSSDUHFFKLR					

7DE 5HJRODJLRQH VRYUDSUHVVLQRH &/9 GL 3D SHU JDV GL WLSR * JDV 6

&RGLFH	7HVWR	YLVXD	OHYBWRJLRQH	*DPPD				
*3	*,5, 0,1	0LQ9H	QWQRFW¢ PLQLPD YHQW5DPWR5BRLQ PRGDOLW¢ 5LVFDOGD PHQWR \$FTXD &DOGD 6DQLWDULD					

7DE 5HJRODJLRQH VRYUDSUHVVLQRH &/9 GL 3D SHU JDV GL WLSR * JDV 6

&RGLFH	7HVWR	YLVXD	OHYBWRJLRQH	*DPPD				
*3	*,5, 0,1	0LQ9H	QWQRFW¢ PLQLPD YHQW5DPWR5BRLQ PRGDOLW¢ 5LVFDOGD PHQWR \$FTXD &DOGD 6DQLWDULD					
*3	*,5, 0,1	YHQW	DMORFLW¢ YHQWLQDWRUBSDPOO B\$PLR GHOO DSSDUHFFKLR					

7DE 5HJRODJLRQH VRYUDSUHVVLQRH &/9 GL 3D SHU JDV GL WLSR * * EXWD

&RGLFH	7HVWR	YLVXD	OHYBWRJLRQH	*DPPD				
*3	*,5, 0,1	0LQ9H	QWQRFW¢ PLQLPD YHQW5DPWR5BRLQ PRGDOLW¢ 5LVFDOGD PHQWR \$FTXD &DOGD 6DQLWDULD					

7DE 5HJRODJLRQH VRYUDSUHVVLQRH &/9 GL 3D SHU JDV GL WLSR * * EXWD

&RGLFH	7HVWR	YLVXD	OHYBWRJLRQH	*DPPD				
*3	*,5, 0,1	0LQ9H	QWQRFW¢ PLQLPD YHQW5DPWR5BRLQ PRGDOLW¢ 5LVFDOGD PHQWR \$FTXD &DOGD 6DQLWDULD					
*3	*,5, 0,1	YHQW	DMORFLW¢ YHQWLQDWRUBSDPOO B\$PLR GHOO DSSDUHFFKLR					

7DE 5HJRODJLRQH VRYUDSUHVVLQRH &/9 GL 3D SHU JDV GL WLSR * * EXWD

&RGLFH	7HVWR	YLVXD	OHYBWRJLRQH	*DPPD				
*3	*,5, 0,1	0LQ9H	QWQRFW¢ PLQLPD YHQW5DPWR5BRLQ PRGDOLW¢ 5LVFDOGD PHQWR \$FTXD &DOGD 6DQLWDULD					

7DE 5HJROD]LRQH VRYUDSUHVVLQRH &/9 GL 3D SHU JDM JGHUWLSR * * EXWD

&RGLFH	7HVWR YLVXD	OHYBWR]LRQH	*DPPD				
*3	*,5, 0,1 0LQ9H	QWDRFLWç PLQLPD YHQW5DPWRUSFLQ PRGDOLWç 5LVFDOGD PHQWR \$FTXD &DOGD 6DQLWDULD					
*3	*,5, 0,1 YHQW	DMORFLWç YHQWLODWRUHSPOO B\$PLR GHOO DSSDUHFFKLR					

7DE 5HJROD]LRQH VRYUDSUHVVLQRH &/9 GL 3D SHU JDV GL WLSR * SURSDQ

&RGLFH	7HVWR YLVXD	OHYBWR]LRQH	*DPPD				
*3	*,5, 0,1 0LQ9H	QWDRFLWç PLQLPD YHQW5DPWRUSFLQ PRGDOLWç 5LVFDOGD PHQWR \$FTXD &DOGD 6DQLWDULD					

7DE 5HJROD]LRQH VRYUDSUHVVLQRH &/9 GL 3D SHU JDV GL WLSR * SURSDQ

&RGLFH	7HVWR YLVXD	OHYBWR]LRQH	*DPPD				
*3	*,5, 0,1 0LQ9H	QWDRFLWç PLQLPD YHQW5DPWRUSFLQ PRGDOLWç 5LVFDOGD PHQWR \$FTXD &DOGD 6DQLWDULD					
*3	*,5, 0,1 YHQW	DMORFLWç YHQWLODWRUHSPOO B\$PLR GHOO DSSDUHFFKLR					

9HULILFDUH OD UHJROD]LRQH GHO UDSSRUWR

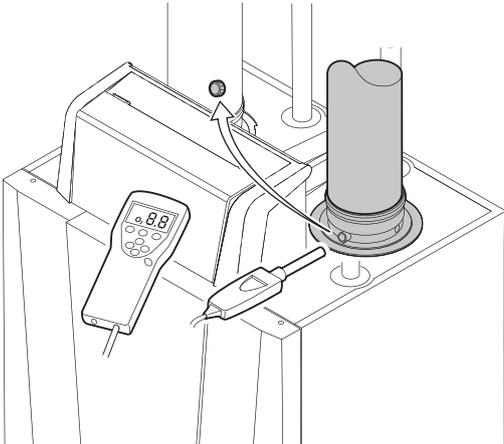


9HGHUH

9HULILFD LPSRVWD]LRQH GHOOD FRPEXVWLQRH

9HULILFD LPSRVWD]LRQH GHOOD FRPEXVWLQRH

)LJ 3UHVD DQDOLVL IXPL



AD-0001179-01

6YLWDUH LO WDSSR GDOOD SUHVD DQDOLVL IXPL
,QVHULUH OD VRQGD GHOOD DQDOL]]DWRUH GH
QH



,PSRUWDQWH

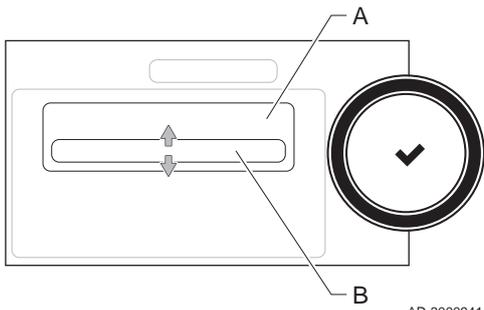
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- / DQDOL]]DWRUH GHL IXPL GHYH DYHUH XQDOLV s SHU

0LVXUDUH OD S2USHQWHKODWH GHL IXPL 3UHQQDOLV D SLHQR FDULFR H D FDULFR SDU]LDOH

■ (VHFX]LRQH GHO WHVW D SLHQR FDULFR

6HOH]LRQDQXHS]]DFDPLQR
3UHPHUH FRQWHPSRUDQD S PHLQW S2USHQWHKODWH
⇒ 9LHQH YLVXDOLV DQDOL]]DWRUH PRGDOLWç WHVW GL

)LJ 7HVW D SLHQR FDULFR



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6HOH]LRQD\$3RWHQJD0DVVLPD5LVFDOGDPHQWR
 \$ &DPELR PRGDOLWc WHVW GL FDULFR
 % 3RWHQJD0DVVLPD5LVFDOGDPHQWR
 => 9LHQH DYYLDWR LO WHVW D SLHQR FDULFR H
 WR VXOOR VFKHUPR QRGDOLWc WHVWHGWFDU
 6H QHFHVVDULR PRGLLFDUH L SDUDPHWUL G
 => Š SRVVLELOH PRGLLFDUH VROR L SDUDPHWU

■ 9DORUL D SLHQR FDULFR SHU

0LVXUDUH OD SŽUSHQWKOH GH L JDV FRPEXV
 &RQURQWDUH LO YDORUH PLVXUDWR FRQ LY
 EHOOD

7DE &RQWUROODUH UH]RDSUHQRDĐRWLFŠŠH
 JDV +

9DORUL D SLHQR FDULFR SHU	* 2 JDV +
*DV \$FH	
YDORUH QRPLQDOH	

7DE &RQWUROODUH UH]RDSUHQRDĐRWLFŠŠH
 JDV +%HOJLR

9DORUL D SLHQR FDULFR SHU	* 2 JDV +
*DV \$FH	
YDORUH QRPLQDOH	

7DE &RQWUROODUH UH]RDSUHQRDĐRWLFŠŠH
 JDV +6YL]]HUD

9DORUL D SLHQR FDULFR SHU	* 2 JDV +
*DV \$FH	

9DORUL D SLHQR FDULFR SHU	* 2 JDV +
YDORUH QRPLQDOH	

7DE &RQWUROODUH UH2JRD 5UHQRD 0RDLF&SHH
JDV /

9DORUL D SLHQR FDULFR SHU	* 2 JDV /
*DV \$FH	
YDORUH QRPLQDOH	

7DE &RQWUROODUH UH2JRD 5UHQRD 0RDLF&SHH
JDV 6

9DORUL D SLHQR FDULFR SHU	* 2 JDV 6
*DV \$FH	
YDORUH QRPLQDOH	

7DE &RQWUROODUH UH2JRD 5UHQRD 0RDLF&SHH
* * EXWDQR SURSDQR

9DORUL D SLHQR FDULFR SHU	* 2* EXWDQR
QR	
*DV \$FH	
YDORUH QRPLQDOH	

7DE &RQWUROODUH UH2JRD 5UHQRD 0RDLF&SHH
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QR	
*DV \$FH	
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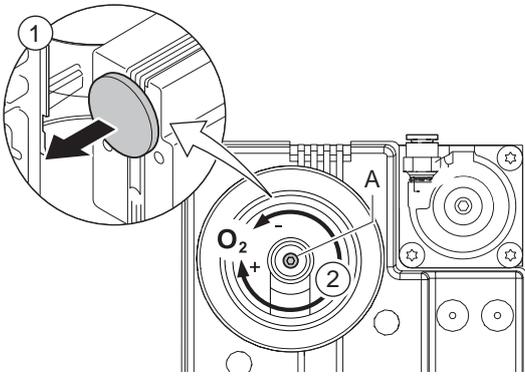
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9DORUL D SLHQR FDULFR SHU	* 2 SURSDQR
*DV \$FH	
YDORUH QRPLQDOH	

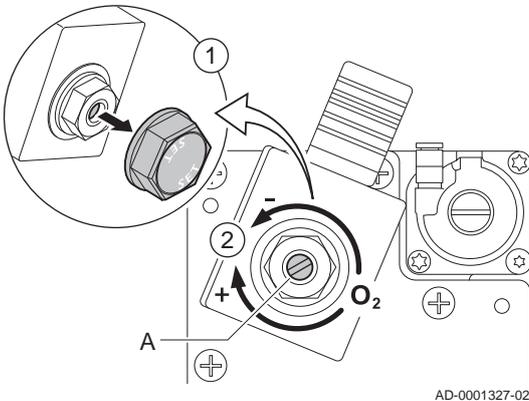
! \$WWHQJLRQH , YDORULSHQR FDULFR GHYRQR HVVHWH LQIH VR FDULFR

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)LJ 3RVLJLRQH GHOOD YLWH GL UHURDQGRGH SHOOD \$LWPHSLVWURDQD RYDOR



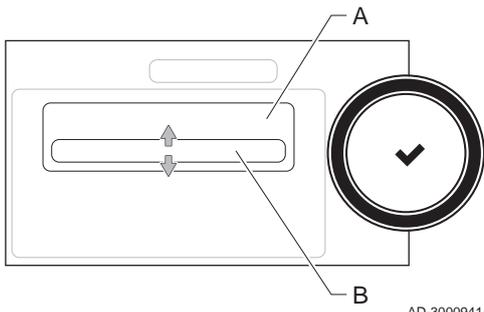
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- (VHFJ]LRQH GHO WHVW D FDULFR SDUJLDO 4XDQGR ^a DQFRUD LQ FRUVR LO WHVW D SLHQ ✓ SHU FDPEDUH OD PRGDOLWGH GHO WHVW GL ⇒ 9LHQH YLVXDOL]D]LPR PRGDOLWGH WHVW GL 6H LO WHVW D SLHQR FDULFR WHVW XWDWR 6SD]]DFDLQR HPHUH FRQWHPSR ⇒ QHDO HWDMW ≡ ⇒ 9LHQH YLVXDOL]D]LPR PRGDOLWGH WHVW GL

)LJ 7HVW D FDULFR SDUJLDOH



AD-3000941-02

6HOHJLRQD3RWHQJD0LQLPD

\$ &DPELR PRGDOLWĉ WHVW GL FDULFR
% 3RWHQJD0LQLPD

⇒ 9LHQH DYYLDWR LO WHVW D FDULFR SDUJLDOH
JDWR VXOOR VFKHUPRORĉ DOLWĉRWHVW HGLWFD
DFFHWWDD

6H QHFHVVDULR PRGLILFDUH L SDUDPHWUL G
⇒ Š SRVVLELOH PRGLILFDUH VROR L SDUDPHWU

7HUPLQDUH OD SURYD D FDULFR SDUJLDOH SU
⇒ 9LHQH YLVXDOLJJDWR LO PHVVDJJLR

4XDQGR WXWWH OH SURYH GL FDULFR QHFHV
PHUH LO ⇒ 6VDFWHJŠEDDQGRQDUH PRGDOLWĉ
VSDJJDFFDBHQRFKLXGHUH OD IXQJLRQH VSDJJDFF

■ 9DORUL GL YHULILFD LP ŠDWRJEDQHFŠHU

0LVXUDUH OD ŠUŠHQWĉOH GHL JDV FRPEXV
&RQIURQWDUH LO YDORUH PLVXUDWR FRQLY
EHOOD

7DE &RQWUROODUH UHJRDBDMVRDĉRWLFŠŠH
JDV +

9DORUL D EDVVR FDULFR ŠHU	* 2 JDV +
*DV \$FH	
YDORUH QRPLQDOH	

7DE &RQWUROODUH UHJRDBDMVRDĉRWLFŠŠH
JDV +%HOJLR

9DORUL D EDVVR FDULFR ŠHU	* 2 JDV +
*DV \$FH	
YDORUH QRPLQDOH	

7DE &RQWUROODUH UHJRDBDMVRDĉRWLFŠŠH
JDV +6YLJ]HUD

9DORUL D EDVVR FDULFR ŠHU	* 2 JDV +
*DV \$FH	

9DORUL D EDVVR FDULFR SHU * 2 JDV +
YDORUH QRPLQDOH

7DE &RQWUROODUH UH2JRD EDMVRD DBWLF\$H\$H
JDV /

9DORUL D EDVVR FDULFR SHU * 2 JDV /
*DV \$FH
*DV \$FH
*DV \$FH
*DV \$FH
YDORUH QRPLQDOH

7DE &RQWUROODUH UH2JRD EDMVRD DBWLF\$H\$H
* JDV 6

9DORUL D EDVVR FDULFR SHU * 2 JDV 6
*DV \$FH
*DV \$FH
*DV \$FH
*DV \$FH
YDORUH QRPLQDOH

7DE &RQWUROODUH UH2JRD EDMVRD DBWLF\$H\$H
* * EXWDQR SURSDQR

9DORUL D EDVVR FDULFR SHU * 2 EXWDQR SQR
*DV \$FH
*DV \$FH
*DV \$FH
*DV \$FH
YDORUH QRPLQDOH

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* * EXWDQR SGRSDQR

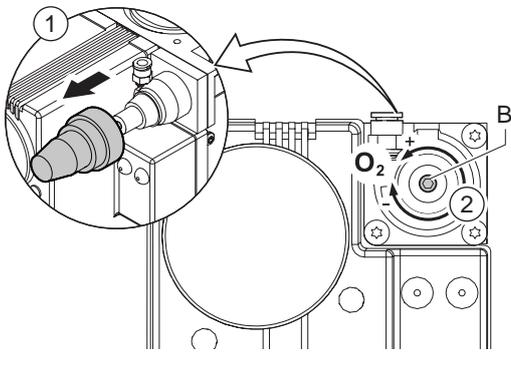
9DORUL D EDVVR FDULFR SHU * 2 EXWDQR SQR
*DV \$FH
*DV \$FH
*DV \$FH
*DV \$FH
YDORUH QRPLQDOH

7DE &RQWUROODUH UHJROEDMVRDDBRULFSHSH SURSDQR

9DORUL D EDVVR FDULFR SHU		* 2 SURSDQR
*DV	\$FH	
YDORUH QRPLQDOH		

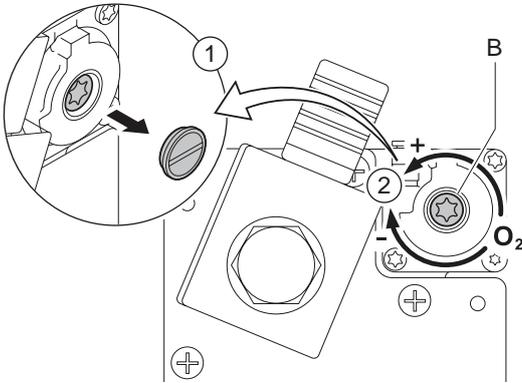
! \$WWHQJLRQH , YDORUEDVVR ULGRWWR GHYRQR HVDHUH VXS LHQR FDULFR

)LJ 3RVLJLRQH GHOOD YLWH GL UHJROEDMVRDDBRULFSHSH PLVXUDWR QRQ ULHQWUD IUD T UHJJHUH LO UDSSRUWR JDV DULD



i ,PSRUWDQWH /H FDOGDLH VRQR GRWDWH GL GLYHUVL WLSL WDUH O DVVLPH YDOYROD JDV QHOOD FDOGD VHJQL H IDUH ULIHULPHQWR DO GLVHJQR SHU JRODJLRQH SHU %DVVR FDULFR

6HUYHQGRVL GHOOD %LWPSB VWDUUR ODJQRYOR OH OD SHUFH SWDLOH VLSR GL JDV LQ XVR 4X VHPSUH FRQWHQXWR IUD LO OLPLWH GL LPSRV



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)XQJLRQDPHQWR

8WL0LJJR GHO SDQQHOOR GL FRQWUROOR

,O GLVSOD\ VXO SDQQHOOR GL FRQWUROOR IRUQL
PHQWR GHOOD FDOGDLD H DJOL HYHQWXDOL HUURUL



9HGHH

,O PDQXDOH GHO SDQQHOOR GL FRQWUROOR
LQ PHULWR D

- 0RGLILFD FUHDJLRQH H UHVHW GHOOH LPSR
- /HWWXUD GHL YDORUL
-)XQJLRQL GHO SDQQHOOR
- 6YXRWDPHQWR GHOOD PHPRULD HUURUL

0DQXWHQ]LRQH

*HQHUDOLW¢

/D FDOGDLD QRQ QHFHVVLWD GL XQD PDQXWHQ]LRQH
HVVHUH LVSH]LRQDWD H PDQXWHQXWD SHULRGLF
PRPHQWR PLJOLRUH SHU OD PDQXWHQ]LRQH OD F
GL ULFKLVWD PDQXWHQ]LRQH DXWRPDWLF ,O S
WHPSLVWLFKH GL YLVXDOL]]D]LRQH GL TXHVWR P
VHFRQGD GHOO XWLOL]]R GHOO FDOGDLD LO SU
YLHQH YLVXDOL]]DWR DO SL» WDUGL GRSR DQQL

 **\$WWHQ]LRQH**

- /H RSHUD]LRQL GL PDQXWHQ]LRQH GHYRQR H
LQVWDOODWRUH TXDOLILFDWR
- 'XUDQWH JOL LQWHUYHQWL GL LVSH]LRQH R
VHPSUH WXWWH OH JXDUQL]LRQL GH SH]]L
- 6RVWLWXLUH L FRPSRQHQL GLIHWWRVL R X

 **,PSRUWDQWH**

'HWHUPLQDUH OD IUHTXHQ]D GHOO LVSH]LRQH
EDVH DOOH FRQGL]LRQL GL XWLOL]]R &L' YD
GDLH VRWRSRVWH D XVR FRQWLQXR SHU SU

,QWHUYHQWL GL LVSH]LRQH H PDQXWHQ]LRQH VWDQGDUG

 **\$YYHUWHQ]D**

,QGRVVDUH VHPSUH RFFKLDOL GL SURWH]LRQ
YHUH GXUDQWH OH RSHUD]LRQL GL SXOL]LD

3HU O DVVLVWHQ]D HVHJXLUH VHPSUH L VHJXHQV
QXWHQ]LRQH VWDQGDUG

 **\$WWHQ]LRQH**

- 9HULILFDUH VH WXWWH OH JXDUQL]LRQL VRC
PHQWH OD WHQXWD DO JDV^a JDUDQWLWD G
PHQWR DOO LQWHUQR GHOO DSSRVLWD VFDC
- 'XUDQWH OH RSHUD]LRQL GL LVSH]LRQH H P
VHPSUH FKH O DFTXD JRFFH VSUX]]L HQWU
SRQHQL HOHWULFL

&RQWUROOR GHOO SUHVLRQH GHOO

&RQWUROODUH OD SUHVLRQH GHOO DFTXD

 **,PSRUWDQWH**

/D SUHVLRQH GHOO DFTXD^a LQGLFDWD VXO
WUROOR

⇒ /D SUHVLRQH GHOO DFTXD GHYH HVVHUH DO
6H LQIHULRUH D EDU UDEERFFDUH O LPSLD
OL]]DWR

&RQWUROOR GHOO TXDOLW¢ GHOO DF

5LHPSLUH XQD ERWWLJOLD SXOLWD FRQ O DFT
FDOGDLD WUDPLWH LO UXELQHWR GL ULHPSL
&RQWUROODUH OD TXDOLW¢ GL TXHVWR FDP
LQ ODERUDWRULR



9HGHUH

8OWHULRUL LQIRUPDJLRQL VR, QWUGJLVRQLSHLO
TXDOLWç GHOGDFFXD QXDOH ID SDUWH GHOO
PHQWL IRUQLWL FRQ OD FDOGDLD 5LVSHWWD
WH QHO GRFXPHQWR VRSUD FLWDWR

&RQWUROOR GHOD FRUUHQWH GL LRQ

&RQWUROODUH OD FRUUHQWH GL LRQLJJD]LRQ
ULGRWR

⇒ ,O YDORUH a VWDELOH GRSR PLQXWR
6H LO YDORUH a LQIHULRUH D w\$ SXOLUH R
VLRQH LRQLJJD]LRQH

&RQWUROODUH L FROOHJDPHQWL GL XV

&RQWUROODUH OH FRQGL]LRQL H OD WHQXWD
H GHOO LQJUHVVUR DULD

&RQWUROOR GHOD FRPEXVWLRQH

,O FRQWUROOR GHOD FRPEXVWLRQH DYQWQHQH PI
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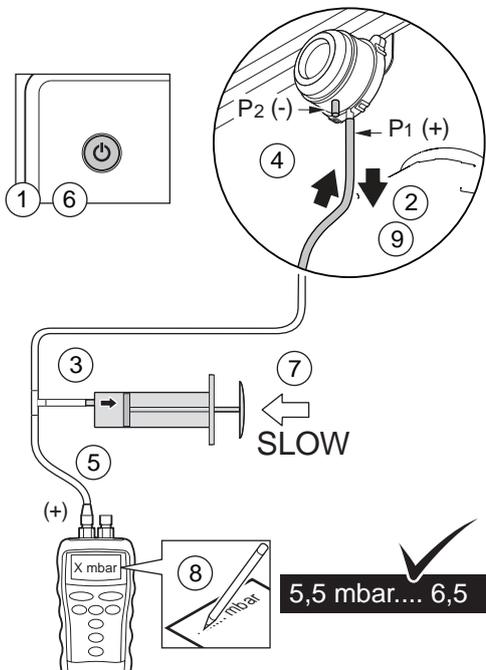
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9HULILFD LPSRVWD]LRQH GHOD FRPEXVWLRQ

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■ &RQWUROOR GHO SUHVVRVWDWR GLIHHUHQ

)LJ &RQWUROODUH LO SUHVVRVWDWR GLIHHUHQ
]LDOH ODWR



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\$WWHQJLRQH

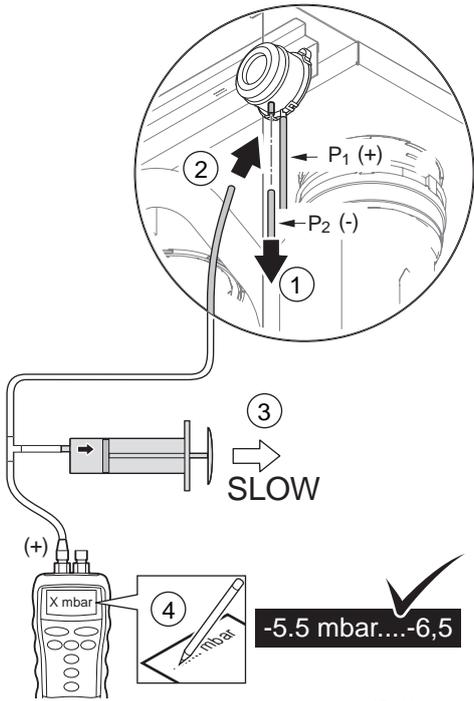
1 % ,O QDWRO QLSSOR GHO FRQQHWRUH S
VWDWR GLIHHUHQ]LDOH SHU DULD

(OLPLQDUH RJQL WUDFFLD GL VSRUFL]LD GD W
IOHVLELOL H GDO SUHVVRVWDWR GLIHHUHQ]L
&RQWUROODUH OH FRQGL]LRQL H OD WHQXWD
IHUHQ]LDOH SHU DULD 6H QHFHVVDULR VRVW

■ &RQWUROOR GHO SUHVVRVWDWR GLIIHUHQ

)LJ /DWR GHO SUHVVRVWDWR GHO SUHVVRVWDWR
SHU O DULD

6 FHOHQJDDHLO WXER IOHVLELOL SUHVR GL
SUHVVRVWDWR GLIIHUHQJLDOH DULD
&ROOHJDUH LO ODWR ; GHO SUHVVRVWDWR GL
UDFFRUGR D 7 PHGLDQWH XQ WXER IOHVLELOL
(VWUDUUH OD VLULQJD H QRQ UHLQVHULUOD S
OLW JXDVWR
\$ TXHVWR SXQWR SUHQGHUH QRWD GHOOD SU
WUR
⇒ 8QD SUHVVLQRH FRPSUHVD IUD H PE
UH GHOOD SUHVVLQRH PLQRUH R PDJJLRUH L
QRPDOLD GHO SUHVVRVWDWR GLIIHUHQJLDOH
'RSR DYHU SUHVR OH PLVXUH VWDFFDUH LO W
UDFFRUGR D 7 ODWR ; H ULFROOHJDUH LO WX
WHPHQWH ULPRVVR
(OLPLQDUH RJQL WUDFFLD GL VSRUFLJLD GD W
IOHVLELOL H GDO SUHVVRVWDWR GLIIHUHQJL
&RQWUROODUH OH FRQGLJLRQL H OD WHQXWD
IHUHQJLDOH SHU DULD
⇒ 6H QHFHVVDULR VRVWLWXLUH L IOHVLELOL



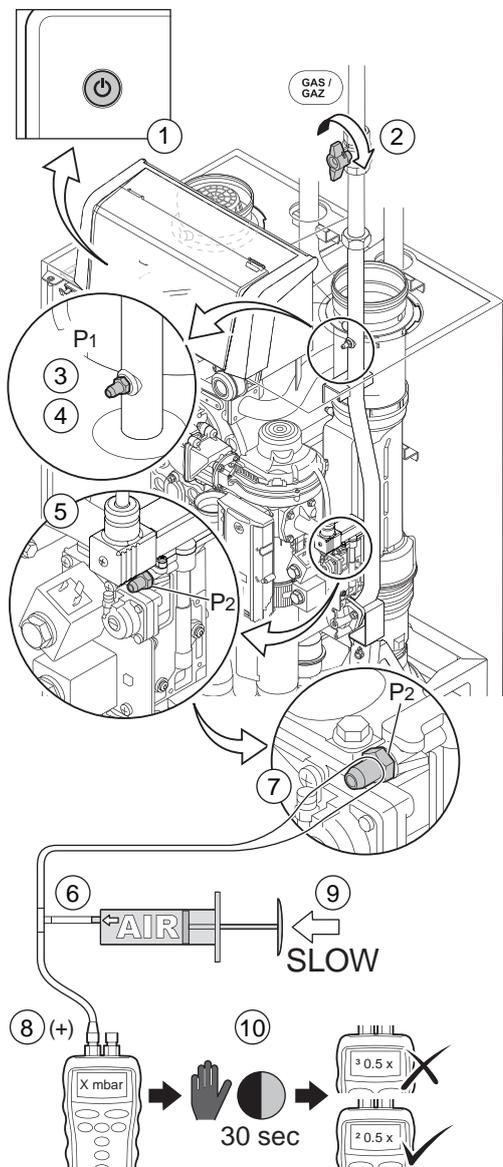
AD-0001076-01

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■ &RQWUROOR GHOO DVVHQJD GL SHUGLWH

)LJ &RQWUROOR GHOO DVVHQJD 936

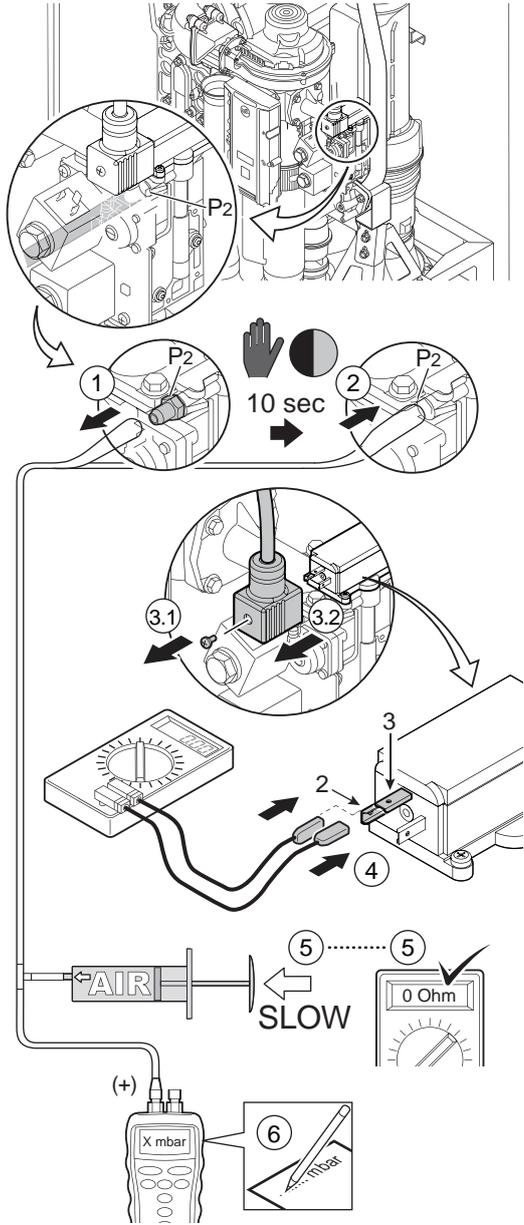
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 1RQ DSSHQD LO WXR GH JDV a GHSUHVVXUL
 OD YLWH
 6YLWDUH OD YLWH Q3H GHSXQWRQLVPLVXU
 ODWR GH 936 VVRVWDWR
 3UHQQGHUH XQD JUDQGH VLULQJD LQ SODVWLF
 FRQ XQ IOHVVLELOH FROOHJDWR DOOD SXQWD
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 GHOO DVVLPH YDOYROD JDV
 &ROOHJDUH O DOWUD HVWUHPLW GH OD UDFFR
 6SLQJHUH OD VLULQJD PROWR OHQWDPHQWH I
 FKHU GH LO YDORUH PLQLPR GL SUHVVLRQH GL D
 &RQWUROODUH OD SUHVVLRQH PLVXUDWD SHU
 VLRQH GLPLQXLVFH GL ROWUH OD PHW FL L
 6H QHFHVVDULR VRVWLWXLUH 936 DVVLPH YD



AD-0001182-01

■ &RQWUROOR GHQ YDORUH GHQ SUHVVRVWDWR

)LJ &RQWUROOR GHQ YDORUH GHQ SUHVVRVWDWR O DVVLPH YDOYROD JDV V
936 ILVVDWR DO SXQWR GL PLVXUDJLRQH GHOO D
ODWR GHQ 936 VVRVWDWR

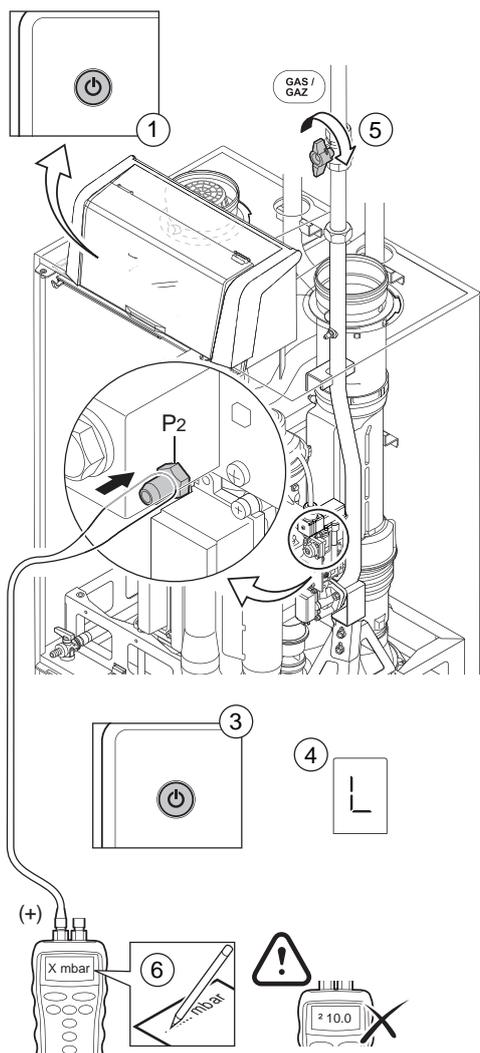


936 VVRVWDWR
 \$WWHQGHUH FLUFD VHFQGL H ULFROOHJDU
 FHGHQJD DO SXQWR3GGHPLVXUDJLRQHDOYROD J
 5LPXRYHUH LO FRQQHWWRUH GL FROOHJDPHQ
 OH IXJKH936 JDV
 &ROOHJDUH XQ RKPPHWUR936 PRUVHWWL H
 6SLQJHUH OD VLULQJD PROWR OHQWDPHQWH I
 FDWR LO YDORUH GL 2KP
 \$TXHVWR SXQR SUHQGHUH QRWD GHOD SU
 WUR 6H OD SUHVVRVWDWR PLVXUDWD GLIHULVF
 UHJRODJLRQH936VVRVWDWR LO SUHVVRVWDWR D
 VWLWXLUOR

AD-0001183-01

&RQWUROOR GHO SUHVVRVWDWR JDV *3

)LJ &RQWUROOR GHO *36



AD-0001184-01

6SHJQHUH OD FDOGDLD
 \$SULUH OD YLWH QHO S&RQWUROOR GHO SUHVVRVWDWR JDV *3
 &ROOHJDUH XQ PDQRPHWUR D&RQWUROOR GHO SUHVVRVWDWR JDV *3
 YROD JDV
 \$FFHQGHUH OD FDOGDLD
 3RUWDUH OD FDOGDLD QHOOD PRGDOLW&RQWUROOR GHO SUHVVRVWDWR JDV *3
 &KLXGHUH LO UXELQHWWR GHO JDV GHOOD F&RQWUROOR GHO SUHVVRVWDWR JDV *3
 EORFFDUH OD FDOGDLD VWHVVD
 \$ TXHVWR SXQWR SUHQGHUH QRWD GHOOD SUHVVRVWDWR JDV *3
 WUR &RQURQWDUH L YDORUL PLVXUDWL FRQWUROOR GHO SUHVVRVWDWR JDV *3
 OD 6H OD SUHVVRVWDWR JDV *3 LQIHULRUH
 YDORUH FRUHHWWR R VRVWLWXLUOR

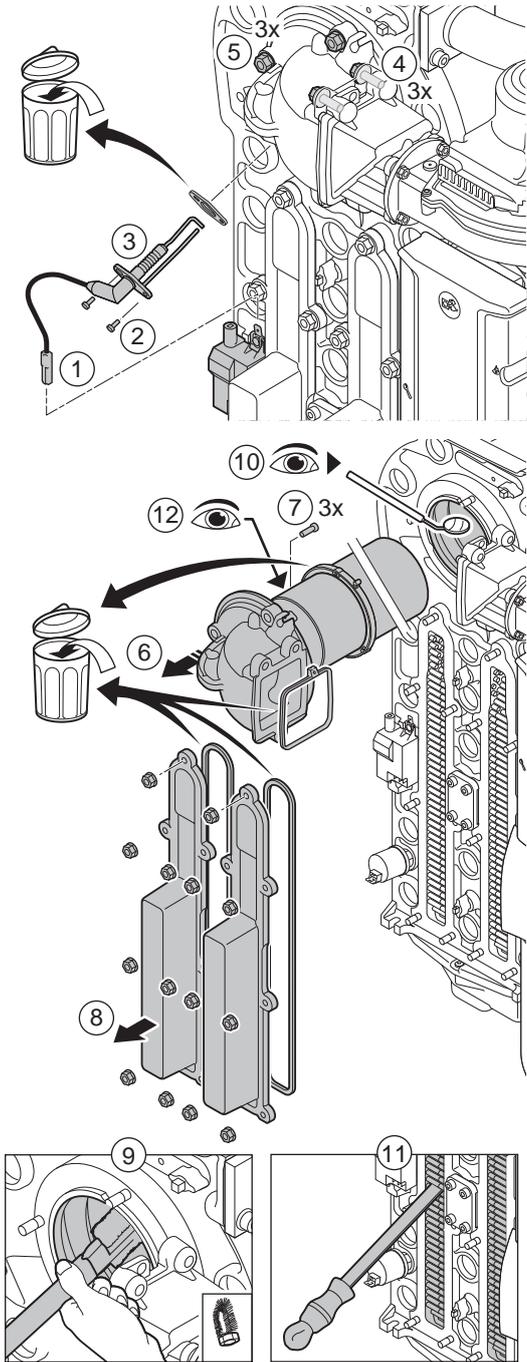
7DE 9DORUH PLQLPR GHO SUHVVRVWDWR GHO JDV *3

		9DORUH PLQLPR PEDU
*DV	\$FH	

&RQWUROOR GHO EUXFLDWRUH H SXOLJPDULR

)LJ &RQWUROOR GHO EUXFLDWRUH

6FRROHJDUH OD VSLQD GHOO HOHWWURGR GL VIRUPDWRUH GL DFFHQVLRQH



\$WWHQJLRQH

,O FDYR GL DFFHQVLRQH a ILVVDWR VXOO HOHQQJLRQH H SHUWDQWR QRQ SX' HVVHUH ULPRVV

\$OOHQWDUH OH YLWL GHOO HOHWWURGR GL 5LPXRYHUH O HOHWWURGR GL DFFHQVLRQH LR GDOOR VFDPELDWRUH GL FDORUH

\$OOHQWDUH L EXOORQL GDOO DGDWWDWRUH ULWRUQR FRSSLD GL VHUUDJJLR 1P

\$OOHQWDUH L GDGL GDOO DGDWWDWRUH VX GL VHUUDJJLR 1P

5LPXRYHUH FRQ FDXWHOD O DGDWWDWRUH FR SULPDULR

5LPXRYHUH L EXOORQL GDO EUXFLDWRUH VX FLDWRUH H OD JXDUQLJLRQH

\$OOHQWDUH L GDGL VXL SRUWHOOOL GL LVSHJL => 5LPXRYHUH L SRUWHOOOL GL LVSHJLRQH SHU SULPDULR

8VDUH XQ DVSLUDSROYHUH SHU SXOLUH OD SWRUH SULPDULR FPHUD GL FRPEXVWLRQH

9HULILFDUH DG HVHPSLR FRQ O DXVLOLR GL XFRQWDPLQDJLRQH YLVLELOH UHVLGXD 6H SUH 3XOLUH OD VHJLRQH LQIHULRUH GHOOR VFDPEVSHFLDOH ODPD GL SXOLJLD

,O EUXFLDWRUH QRQ QHFHVVLWD LQ JHQHUH O DXWRSXOHQWH

- 6H QHFHVVDULR SXOLUH FRQ FXUD LO EUXFLDWRUH SUHVVD

- 9HULILFDUH FKH LO FRSHUFKLR GHO EUXFLDWRUH FULQDWXUH H R GDQQL ,Q FDVR FRQWUDULR

5LDVVHPEODUH O XQLW QHOO RUGLQH LQYHU \$SULUH O DOLPHQWDJLRQH GHO JDV H ULSULV GHOD FDOGDLD



\$WWHQJLRQH

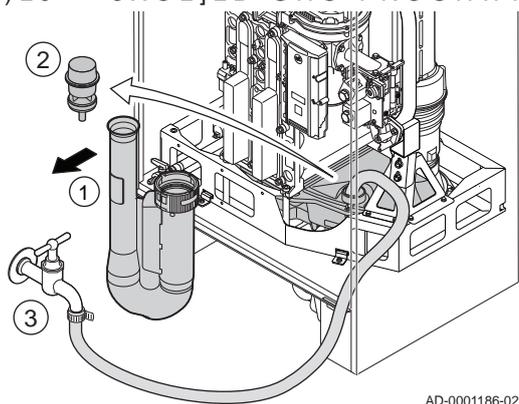
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• 'XUDQWH LO PRQWDJJLR GHJL GDGL H GHJL EXGL JXDUQLJLRQL VLDQR SRVLJLRQDWH FRUHHW

AD-0001185-01

3XOLJLD GHQ FROOHWWRUH GHODD FROGHQVD

)LJ 3XOLJLD GHQ FROOHWWRUH GHODD FROGHQVD
 6PRQW DUH LO VLOHQJLDWRUH GL DVSLUDJLRQ
 5LPXRYHUH LO FDSSXFFLR GL WHQXWD GDO FR
 GHQVD
 5LVFLDFTXDUH LO FROOHWWRUH GL FRQGHQVD
 G DFTXD SL» DPSLR SRVVLELOH



AD-0001186-02



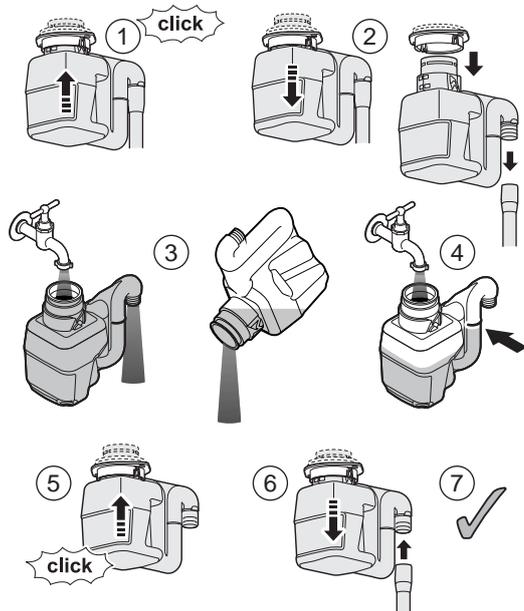
\$YYHUWHQJD

\$O PRPHQWR GHQ ODYDJJLR HYLWDUH FKH O
 FDOGDLD

6FROOHJDUH LO WXER GL VLOLFRQH GHOO LQV
 VLRQH GHOO DULD GDO UDFRUGR QHO FROOH
 3XOLUH O DSHUWXUD GHQ UDFRUGR PLQXJLR
 GR XQ RJJHWR DO VXR LQWHUQR
 5LVFROOHJDUH LO WXER GL VLOLFRQH
 ,QVHULUH LO VLOHQJLDWRUH GL DVSLUDJLRQH
 QHO FROOHWWRUH GL FRQGHQVD

3XOLJLD GHQ VLIRQH

)LJ 3XOLJLD GHQ VLIRQH



AD-0000130-02

6SLQJHUH LO VLIRQH YHUVR O DOWR
 ⇒ LO ULODVFLR GHQ VLIRQH^a FRQIHUPDWR FRQ
 7LUDUH FRQ FDXWHOD LO VLIRQH YHUVR LO ED
 3XOLUH LO VLIRQH FRQ DFTXD
 5LHPSLUH LO VLIRQH GL DFTXD ILQR DO VHJQR
 3UHPHUH FRQ GHFLVLRQH LO VLIRQH^a HHOVUROODRS
 VSRUWHOR VRWR OD FDOGDLD
 ⇒ / LQQHVWR GHQ VLIRQH^a FRQIHUPDWR FRQ X
 7LUDUH FRQ FDXWHOD LO VLIRQH YHUVR LO ED
 &RQWUROODUH FKH LO VLIRQH VLD PRQDWR
 QHOOD FDOGDLD



3HULFROR

,O VLIRQH GHYH HVVHUH WDVVDWLYDPHQWH U
 PRGR VL LPSHGLVFH O LQJUHVVH GHV IXPL QH

6PDOWLPHQWR

5LPRJLRQH ULFLFODJJLR



,PSRUWDQWH

/D ULPRJLRQH H OR VPDOWLPHQWR GHOOD FD
WXDWL GD SHUVRQDOH TXDOLILFDWR LQ FRQ
OLYHOOR ORFDOH H QD]LRQDOH

3HU ULPXRYHUH OD FDOGDLD SURFHGHUH FRPH V
'LVDWWLYDUH LO FROOHJDPHQWR HOHWWULFR
,QWHUURPSHUH O DOLPHQWD]LRQH GHO JDV
,QWHUURPSHUH O DOLPHQWD]LRQH GHO JDV
6FDULFDUH O LPSLDQWR
5LPXRYHUH LO VLIRQH
5LPXRYHUH L WXEL GL LQJUHVVUR DULD XVFLV
6FROOHJDUH WXWWL L WXEL GHOOD FDOGDLD
5LPXRYHUH OD FDOGDLD

5LVROX]LRQH GH L SUREOHPL

&RGLFL GL HUURUH

/D FDOGDLD ^a GRWDWD GL XQ SDQQHOOR GL FRQW
FXRUH GH VLVWHPD GL FRQW H ROPORFWXG RPLFOR S
GD OD FDOGDLD H VRYULQWHQGH DOOD VXD SURW
VXDOL]]DWR LO ULVSHWWLYR FRGLFH

, FRGLFL GL HUURUH YHQJRQR YLVXDOL]]DWL VX V
• \$WWHQJ\$RQH

,PSRUWDQWH

/D FDOGDLD FRQLQXD D IXQ]LRQDUH PD GH
FDXVD GH VHJQDOH GL DWWHQ]LRQH 8Q DY
EORFFR SURYYLVRULR R XQ EORFFR SHUPDQH

• %ORFFR SURYYLVRULR

,PSRUWDQWH

/D FDOGDLD WRUQD DXWRPDWLFDPHQWH LQ IX
ULVROWD OD FDXVD GH EORFFR 8Q EORFFR
FR SHUPDQHQWH

• %ORFFR SHUPDQHQWH

,PSRUWDQWH

/D FDOGDLD WRUQD DXWRPDWLFDPHQWH LQ IX
ULVROWD OD FDXVD GH EORFFR

,O VLJQLILFDWR GH L FRGLFL ^a GHVFULWWR QHOOR
3UHQQHUH QRWD GH FRGLFH YLVXDOL]]DWR

9HGHUH

0DQXDOH SHU LO VHUYL]LR YHQGLWH FDOGDLD

,PSRUWDQWH

,O FRGLFH DQRPDOLD ^a QHFHVVDULR SHU LQG
PDOLD LQ PRGR UDSLGR H FRUUHWWR H SHU
5HPHKD

\$YYHUWHQJD

8Q DYYLVR DSSDUH VXOOR VFKHUPR LQ FDVR GL D
PRVWUD XQ FRGLFH GL DYYLVR

,PSRUWDQWH

/D FDOGDLD FRQLQXD D IXQ]LRQDUH PD OD
VR GHYH HVVHUH HVDPLQDWD 8Q VHJQDOH GL
FRQVHJXHQJD GL XQ EORFFR FDOGDLD

%ORFFR SURYYLVRULR

,O EORFFR FRPSDUH FRPH ULVXOWDWR GL XQ JXD
VWUD XQ FRGLFH GL EORFFR

,PSRUWDQWH

/ DSSDUHFFKLR WRUQD DXWRPDWLFDPHQWH L
QH ULVROWD OD FDXVD GH EORFFR ,O EORF
EORFFDWD

%ORFFR SHUPDQHQWH

,O EORFFR FRPSDUH FRPH ULVXOWDWR GL XQ JXD
VWUD XQ FRGLFH GL EORFFR

5LVROX]LRQH GHL SUREOHPL



,PSRUWDQWH

/D FDOGDLD WRUQD DXWRPDWLFDPHQWH LQ IX
ULVROWD OD FDXVD GHO EORFFR

SSSHQGLFH

,QIRUPDJLRQL VX (U3

6FKHGD SURGRWWR

7DE 6FKHGD SURGRWWR

5HPHKDDV \$FH					
&ODVVH GL HIILFLHQJD HGHUJHWLFD VWDJLRQDOH GHO ULVFDODGD PHQWR G-DPELHQWH					
3RWHQJD WHUPLBDDPRLQDDWR 3VXS:					
(IILFLHQJD HGHUJHWLFD VWDJLRQDOH GHO ULVFDODGD PHQWR G DPELHQWH					
&RQVXPR HGHUJHWLFR DQQXR	* -				
/LYHOOR GL SRWGHQDDPELQDWH LGV%HUQR					



9HGHUH

3HU SUHFDXJLRQL VSHFLILFKH LQ UHODJLRQH JLR LQVWDOODJLRQLRQLRQH XUDQDWHSDJLRQH

k &RS\ULJKW

/H LQIRUPDJLRQL WHFQLFKH H WHFQRORJLFKH FRQWHQXWH QHOOH SUHVHQWL LV
WXDOPHQWH IRUQLWL ULPDQJRQR GL QRWUD SURSULHWç H QRQ SRVVRQR HVV
D PRGLLFKH

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